

1 IN THE UNITED STATES DISTRICT COURT

2 IN AND FOR THE DISTRICT OF DELAWARE

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4 AVENTIS PHARMACEUTICALS INC. : Civil Action

and SANOFI-AVENTIS US LLC, :

5 :

Plaintiffs, :

6 :

v. :

7 :

BARR LABORATORIES, INC., :

8 :

Defendant. : No. 06-286-GMS

9 - - -

10 Wilmington, Delaware

11 Thursday, May 22, 2008

9:00 a.m.

12 Day 4

13 - - -

14 BEFORE: HONORABLE GREGORY M. SLEET, Chief Judge

15 APPEARANCES:

16 JOHN G. DAY, ESQ.

Ashby & Geddes

17 -and-

PAUL H. BERGHOFF, ESQ.,

18 JOSHUA R. RICH, ESQ.,

JEREMY E. NOE, ESQ.,

19 ANDREW WILLIAMS, ESQ., and

ALLISON BALDWIN, ESQ.

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1 APPEARANCES CONTINUED:

2 KAREN L. PASCALE, ESQ.  
Young Conaway Stargatt & Taylor, LLP  
3 -and-  
JAMES HURST, ESQ.,  
4 MAUREEN L. RURKA, ESQ.,  
TARAS GRACEY, ESQ.,  
5 RENEE SOTOS, ESQ., and  
JULIA JOHNSON, ESQ.  
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(Chicago, Illinois)

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Counsel for Defendant

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10 THE COURT: Good morning. Please be seated.

11 (Counsel respond "Good morning.")

12 THE COURT: Mr. Berghoff.

13 MR. BERGHOFF: Allison Baldwin will call our  
14 second witness on rebuttal.

15 THE COURT: Good morning, counsel.

16 MS. BALDWIN: Good morning, Your Honor.

17 Plaintiffs call Brandon Simpson to the stand.

18 ... BRANDON SIMPSON, having been duly sworn as a  
19 witness, was examined and testified as follows ...

20 DIRECT EXAMINATION

21 BY MS. BALDWIN:

22 Q. Good morning, Mr. Simpson.

23 A. Good morning.

24 MS. BALDWIN: May I approach, Your Honor?

25 THE COURT: Yes.

Simpson - direct

1 BY MS. BALDWIN:

2 Q. Mr. Simpson, where are you currently employed?

3 A. My current employer is AstraZeneca Pharmaceuticals.

4 Q. Before you started work at AstraZeneca

5 Pharmaceuticals, who was your employer?

6 A. Rhone-Poulenc Rorer.

7 Q. When did you start at Rhone-Poulenc Rorer?

8 A. In 1991.

9 Q. And how long were you there?

10 A. Approximately eight years. I left, I believe, in

11 1999.

12 Q. And for convenience, would you mind if we call it

13 RPR?

14 A. Please do.

15 Q. Thank you. During your time at RPR, what position

16 did you hold?

17 A. While I was there the eight years, I held a number of

18 positions. Initially, I was part of the clinical

19 operations, primarily my function there would be as a CRA or

20 clinical research associate.

21 Q. And what were your responsibilities as a clinical

22 research associate?

23 A. The main functions of the CRA were two, actually work

24 in the drug development phase when you were actually

25 carrying out clinical trials. So my functions at that time

Simpson - direct

1 be would have been to initiate, monitor clinical trials, all  
2 the way through completion, with study reports and  
3 ultimately submission to the regulatory authorities.

4 Q. In your role as a clinical research associate, did  
5 you have direct contact with the study sites of a clinical  
6 study?

7 A. Yes, we did.

8 Q. During your employment at RPR, were you involved with  
9 the Nasacort AQ project?

10 A. Yes.

11 Q. What was your involvement?

12 A. It was procedural, as I said, as a CRA. Again I had  
13 a number of positions there. But during that time, CRA  
14 would be a good description of my activities.

15 Q. In the binder I have put in front of you, if you  
16 could look at PTX-425, I am going to put it up here on the  
17 screen, also, to help. Do you recognize that document?

18 A. Yes, I do.

19 Q. What is that document?

20 A. This would be the first page of a protocol for study  
21 RD5029Y-305.

22 Q. Would it be okay if I refer to this as the 305 study?

23 A. Yes.

24 Q. On this front page of the study protocol, could you  
25 tell me what is in that center paragraph there?

Simpson - direct

1 A. Yes. This was just a standard statement of  
2 confidentiality, indicating that this document was  
3 confidential and should be held that way, as stated in that  
4 language.

5 Q. Did all of the investigators involved in the study  
6 receive this document?

7 A. Yes, they did.

8 Q. Did it also contain this confidentiality statement?

9 A. Yes.

10 Q. Could you also look at PTX-192 in your binder. For  
11 convenience, I have also put that one up here for you. Can  
12 you tell me what this document is?

13 A. Yes. This would be the first page of a comprehensive  
14 medical report for the same study 305.

15 Q. Now, were you involved in the clinical trial 305?

16 A. Yes, I was.

17 Q. Were you the CRA for that clinical trial?

18 A. I was one of the CRAs, yes.

19 Q. How long did the 305 trial last?

20 A. For an individual patient study, 305, they were  
21 involved for roughly four weeks of actual treatment. The  
22 study in toto, as stated on that page, lasted from roughly  
23 December of 1992 and completed in March of 1993.

24 Q. So the patients are involved for a much shorter time  
25 than what is represented on the front of that actual report

Simpson - direct

1 on the study?

2 A. That's correct.

3 Q. Could you look now at PTX-438 for me? I have put  
4 that one on the screen for you as well. Could you tell me  
5 what this document is?

6 A. Yes. This would be the first page of the protocol  
7 for Protocol No. RD5029Y-309.

8 Q. And for convenience can we call this one the 309  
9 study?

10 A. Yes.

11 Q. And does it contain a confidentiality statement  
12 similar to the one we saw previously?

13 A. That's correct.

14 Q. And I also noted at the bottom of the page is a  
15 little footer. Can you tell me what that says?

16 A. That is an additional confidential statement that  
17 just states, This material is property of Rhone-Poulenc  
18 Rorer. Do not disclose or use except as authorized in  
19 writing by Rhone-Poulenc Rorer.

20 This was actually part of our standard  
21 stationary that we printed the protocols on.

22 Q. Now, were you involved in the 309 study?

23 A. Yes.

24 Q. And were you the CRA for that study?

25 A. I was one of the CRAs, yes.

Simpson - direct

1 Q. How long did the 309 study last?

2 A. Participation by the individual patients was roughly  
3 three weeks. I would have to look up the exact timing. If  
4 you give me a minute, I will.

5 The actual timing of the entire study was  
6 roughly from August of 1993 through October of 1993.

7 Q. Let's talk about the patients in these studies for a  
8 moment. What information about the study drug did RPR  
9 provide to the patients?

10 A. Basically, the patients received three bits of  
11 information. I think we have talked about previously they  
12 received the informed consent. They also received the  
13 patient diaries, where they were allowed to record their  
14 symptoms. And then the last piece was actually a label that  
15 is actually affixed to the study medication that they  
16 received.

17 Q. Let's talk about these different pieces of  
18 information. Let's first talk about, you mentioned the  
19 informed consent form?

20 A. Yes.

21 Q. Could you look at PTX-192 at Page 34252?

22 A. Yes.

23 Q. Here it is for us. Is this an example of a patient  
24 information and consent form?

25 A. Yes. This would represent the first page of several.

Simpson - direct

1 Q. And which study is this one for?

2 A. This is for Study 305. This particular version was  
3 for Dr. Koepka.

4 Q. In the title it mentions RG5029Y. What does that  
5 designate?

6 A. That was the internal designation for the TAA aqueous  
7 product.

8 Q. So this was the internal designation for the product  
9 that became Nasacort AQ?

10 A. That's correct.

11 Q. Okay. Now, what is the purpose of this information  
12 consent form?

13 A. The patient informed consent is intended to provide  
14 information to the patient about the benefit risk. It  
15 should also include the information that they need to  
16 understand about their participation in the study so it  
17 outlines be exactly what they will be asked to do. It also  
18 has contact information in the event they should need to  
19 contact the study center at any time during participation in  
20 the study.

21 Q. Now, do all patients have to sign this consent form?

22 A. Yes, that is a requirement.

23 Q. What information does the informed consent form give  
24 the patient about the study drug itself?

25 A. It's very limited. As you can see here actually in



Simpson - direct

1 the title, it does list the active component of the study  
2 component. Other than that, it does explain that they could  
3 be receiving active but they could also be receiving placebo  
4 so they wouldn't know actually which one they would be  
5 receiving.

6 Q. So some of the patients don't have -- although  
7 they're in the study for TAA, they don't even have TAA in  
8 the drug that they receive. Is that correct?

9 A. That's correct. The study in the title doesn't  
10 explain it but within the protocol, it does explain that  
11 this is a double blind placebo controlled study.

12 Q. What information do the patients receive about the  
13 formulation itself of the study drug?

14 A. Other than it was a water based product, I don't  
15 believe there was additional information.

16 Q. Now, does this patient information consent form  
17 control the patient's use of the drug?

18 A. They are instructed how and when to take.

19 THE COURT: Wait. Wait. Counsel, could you be  
20 more specific?

21 MS. BALDWIN: I was just trying not to lead.

22 THE COURT: You don't have to lead to ask a  
23 question.

24 MS. BALDWIN: Okay.

25 BY MS. BALDWIN:

Simpson - direct

1 Q. Does this patient information consent form control  
2 who can take the study drug? And I'll refer you to, if you  
3 look the PTX-192, Page 34256. It might help you.

4 A. Yes. In an individual study, it would, as part of  
5 the description, indicate that the patient should only, the  
6 study drug should only be taken by the patient to who it was  
7 assigned. And this was an informed consent that would be  
8 signed by an individual patient. Therefore, as it says  
9 here, the study medication must be only taken by that person  
10 for whom it has been prescribed.

11 Q. So the patients know the study drug is only for them?

12 A. That's correct.

13 Q. Let's also talk about a second piece of information  
14 you mentioned was the patient diary form. And I think an  
15 example of that in that same exhibit, here at NIQ 34245. Is  
16 this one of the diary forms?

17 A. This is an example of a diary, yes.

18 Q. What information does this diary form give the  
19 patient about the drug that they are taking?

20 A. I think you can see just under the month statement up  
21 there, it actually tells them to, on a daily basis, record  
22 the total numbers of study, number of medications of spray  
23 they took on each individual day. It's set up as a calendar  
24 so they can actually just note that on each individual day.

25 Q. So patients actually have to monitor the amount of

Simpson - direct

1 drug they used each day?

2 A. In numbers of sprays, yes.

3 Q. Is there any other information on -- I'm sorry. Yes.

4 Is there any other information on this form that tells them  
5 anything about the formulation of the study drug?

6 A. No.

7 Q. And I think its third piece of information you  
8 mentioned was the product label itself?

9 A. Yes.

10 Q. That's the label that is actually on the bottle they  
11 receive?

12 A. That's correct.

13 Q. Okay. Do you recall what is on that label?

14 A. I don't remember the specific components. I know  
15 that is regulated by federal guidance. I don't remember the  
16 number but there is basic information that is required to be  
17 on there: numbers of sprays, storage conditions. I'm  
18 blanking on the other parts right now but there is a  
19 guidance that does allow us to -- that has the core basic  
20 information that must be there.

21 Q. Now, earlier you mentioned that some of the patients  
22 will actually be receiving placebo and some will be  
23 receiving the study drug. Are the labels different for the  
24 placebo vs. the study drug?

25 A. No. That is the whole intent of doing a blinded

Simpson - direct

1 study. The bottles themselves are as identical as possible  
2 so that there is no distinction between the two products.

3 Q. Is there anything on the label that lets the patient  
4 know that this is an investigational drug?

5 A. Again, I don't recall the exact verbiage. There may  
6 be statement to that effect but I don't recall exactly what  
7 the verbiage is.

8 Q. So is there any other information the patients are  
9 given?

10 A. Those would be -- those three documents we just  
11 described would be the information that the patient  
12 received.

13 Q. Now, can a principal investigator give the study drug  
14 to one of his patients who is not a part of the actual  
15 study?

16 A. Absolutely not.

17 Q. So they can only give a drug to someone who has  
18 signed one of these patient information consent forms?

19 A. That's correct.

20 Q. Let's talk a little bit about your role in this  
21 study. What steps does RPR take to control the clinical  
22 studies as they are ongoing?

23 A. Well, once the studies are approved, there are a  
24 number of steps of control. Probably the first one would  
25 actually be a joint meeting, investigators meeting where we

Simpson - direct

1 bring all centers together and actually go through the steps  
2 as we would expect then to carry out so it's very clear what  
3 our expectations as a company would be and how we expect  
4 them to conduct business.

5 As the study progresses, there are multiple  
6 monitoring visits where, as I said earlier, the CRAs would  
7 actually go to the centers, review the documents to make  
8 sure that the appropriate information was being correctly  
9 collected. There was some transcription between patient  
10 information into what is called a case report form which is  
11 actually the document the company retrieves for building the  
12 database of the actual information.

13 Along with that is drug accountability. There  
14 are certain guidelines that go along with that as well.  
15 That was one of the functions of the monitor was to make  
16 sure that the drug was being appropriately monitored both  
17 when it was dispensed, to whom it was dispensed, how many  
18 bottles were dispensed, the date and also when those bottles  
19 were returned. That that was also logged into that. And  
20 that was part of the standard process.

21 Q. You talk about drug accountability in that long list  
22 of things that you would do. Did you have to account for  
23 every single bottle of study drug that was used in the  
24 clinical trial?

25 A. Yes.

Simpson - direct

1 Q. Do you actually have to account for the amount of  
2 study drug that is in the bottle as well?

3 A. The actual amount used was taken from the patient  
4 diary. So as we asked the patients to record the number of  
5 sprays each day, that was an attempt to somewhat understand  
6 the compliance issue. There was a limited amount of numbers  
7 of sprays within the bottle itself so it wasn't as if it was  
8 a year supply or something like that.

9 Q. Now, how did you do this monitoring that you  
10 mentioned? Did you actually visit the study sites to do  
11 that?

12 A. That's correct.

13 Q. And if you look at PTX-194 in that binder of yours.

14 A. (Witness complies.)

15 MS. BALDWIN: If you could pull it up for me,  
16 Eric.

17 BY MS. BALDWIN:

18 Q. What is this document, Mr. Simpson?

19 A. Yes. This is an internal Rhone-Poulenc Rorer  
20 document that was at each individual investigative site.  
21 This one, as you can see in the header area there, was at  
22 one of the sites for Protocol Study 305. As a monitor, we  
23 were required to sign this document each time we visited the  
24 investigator for a monitoring visit. And this was kept with  
25 the documents for that particular study. So each time I

Simpson - direct

1 visited, as you can see a number of times, I was required to  
2 sign this document.

3 Q. That's actually your signature there then?

4 A. That's correct.

5 Q. And when you actually went to the study site and  
6 reviewed this, did you fill out -- I think you mentioned you  
7 filled out a report at the site.

8 A. Yes. This was kind of a sign-in log. We would  
9 actually do our activities at the site. But then once we  
10 would return, we were required to complete a monitoring  
11 visit report. Again, it was an internal document that we  
12 required for each visit.

13 Q. If you look at 195 in that binder in front of you.  
14 Is that an example of one of the reports?

15 A. Yes, that would be Page 1.

16 Q. Now, Mr. Simpson, the one other group I would like to  
17 talk about are the investigators themselves. Now, were the  
18 investigators under any sort of confidentiality agreement  
19 with RPR?

20 A. Yes, they were.

21 Q. And if you will look at PTX-191. What is this  
22 document?

23 A. This would be the first page of a confidential  
24 disclosure agreement between one of the investigators and  
25 Rhone-Poulenc Rorer.

Simpson - direct

1 Q. Did every principal investigator have to sign one of  
2 these documents?

3 A. Yes. Our standard operating procedure at that time  
4 would be that this would actually be the first document that  
5 would be reviewed and agreed upon with the investigator  
6 before we would actually allow them to review any of the  
7 other information about the compound or the study.

8 Q. So this was always step one before anything was sent  
9 to the investigator?

10 A. That was our operating process, absolutely.

11 Q. Is this disclosure agreement limited to the study  
12 itself?

13 A. No. These agreements were typically put in place for  
14 a compound. It just expedited things, so if an investigator  
15 did a number of studies with the same compound they would be  
16 covered under the same disclosure.

17 Q. Were these disclosure agreements only with the  
18 investigator?

19 A. Yes. My understanding is it was between the  
20 investigator and Rhone-Poulenc Rorer.

21 Q. Were the people working under him bound by this  
22 agreement?

23 A. The people reporting to the investigators understood  
24 that he is accountable for their actions. So certainly  
25 during the course of the study he has to share information



Simpson - direct

1 with his staff to carry out the study. But it is understood  
2 that he is responsible for their actions.

3 Q. One last document I would like for you to look at,  
4 PTX-196. Do you recognize this document, Mr. Simpson?

5 A. Yes. This was a declaration that I signed.

6 Q. Does this declaration discuss the information you  
7 have just provided to the Court regarding clinical studies  
8 305 and 309?

9 A. Yes.

10 Q. Did you sign this declaration?

11 A. Yes, I did.

12 Q. Did you confirm that everything in this declaration  
13 was accurate before you signed it?

14 A. Yes, I did.

15 Q. Is there anything in this declaration that is  
16 inconsistent with the information you have provided to the  
17 Court today?

18 A. No, there is not.

19 MS. BALDWIN: I have no further questions.

20 THE COURT: Ms. Rurka, you may cross-examine.

21 CROSS-EXAMINATION

22 BY MS. RURKA:

23 Q. Good morning, Mr. Simpson.

24 A. Good morning.

25 Q. Could you please pull up DX-2, which I think is the

Simpson - cross

1 declaration we were just looking at. Does this declaration  
2 tell the Patent Office that the Nasacort AQ had been reduced  
3 to practice as of May 1, 1992?

4 A. I would have to read through it. I don't know the  
5 exact answer, without having reread it.

6 MS. BALDWIN: Objection. Calls for a legal  
7 conclusion about reduction to practice.

8 MS. RURKA: It calls for a conclusion about what  
9 the declaration tells --

10 THE COURT: Hold on a second, counsel. She is  
11 objecting. I can't rule.

12 I am going to overrule the objection. I think  
13 actually Ms. Rurka is correct. I am going to overrule the  
14 objection.

15 THE WITNESS: Can I read through?

16 BY MS. RURKA:

17 Q. Feel free to look.

18 A. Can you restate the question?

19 Q. The declaration does not tell the Patent Office that  
20 Nasacort AQ had been reduced to practice or the claimed  
21 invention had been reduced to practice as of May 1st, 1992,  
22 did it?

23 A. Can you explain reduced to practice?

24 THE COURT: She is just asking you, sir, what  
25 the declaration says. You really don't need to know what

Simpson - cross

1 reduced to practice means to answer this question. Just  
2 read the declaration, see what you see.

3 If at the end of the day you can't answer it,  
4 just say, I am unable to answer it, that's fine.

5 (Pause.)

6 THE WITNESS: Okay. State one more time and I  
7 will do the best I can.

8 BY MS. RURKA:

9 Q. Of course. The declaration does not tell the Patent  
10 Office that the subject of the patent application, the  
11 claimed invention, was reduced to practice as of May 1st,  
12 1992, does it?

13 A. I don't understand that now.

14 THE COURT: That's fine.

15 BY MS. RURKA:

16 Q. You testified that you oversaw the 305 and 309  
17 studies?

18 A. That's correct.

19 Q. They tested the safety and efficacy of Nasacort AQ?

20 A. That was one of the objectives of the study, yes.

21 Q. The results of those clinical trials were submitted  
22 to FDA to support approval of Nasacort AQ?

23 A. Yes.

24 Q. I think you testified that the 305 clinical trials,  
25 the 305 studies were performed from December '92 through

Simpson - cross

1 March 1993. Is that right?

2 A. Let me verify.

3 Q. Please do.

4 A. Study 305?

5 Q. 305.

6 A. Yes, I have the study start date of December of 1992  
7 through March of 1993.

8 Q. And that study involved the administration of  
9 Nasacort AQ to 178 volunteers. Is that correct?

10 A. There were 178 total patients but they received two  
11 treatments.

12 Q. Okay. Thank you. And the 305 study that was  
13 performed from August through October of 1993 -- I think you  
14 testified?

15 A. I think that's correct.

16 Q. If you need to verify that...

17 A. Let me verify and look.

18 Q. Absolutely.

19 A. Yes. For Study 309 the start would have been August  
20 of 1993. Completion was October of 1993.

21 Q. And that involved administration of Nasacort AQ to I  
22 think 429 volunteers. Is that right?

23 A. Yes. Again, under the same study design, it was  
24 split between active and placebo, yes.

25 Q. Would you please pull up Demonstrative 49. And here

Simpson - cross

1 is the dates I think you just testified to. December 1992  
2 through May 1993, that was the 305 study, 178 patients were  
3 studied there. And then August of '93 to October of '93,  
4 there were 429 patients. Does that look right?

5 A. That looks correct.

6 Q. And the patients were allowed to leave the facility  
7 with the drug product they were given. Correct?

8 A. Yes.

9 Q. And they were self-administering the product. Is  
10 that right?

11 A. Yes.

12 Q. There were no restrictions on where they could use  
13 the product. Right?

14 A. Not that I am aware of, no.

15 Q. And they were told that they were taking TAA.  
16 Correct?

17 A. No.

18 Q. They weren't?

19 A. They were told that was a possibility. But again, it  
20 was a blinded trial, so they knew the two options but they  
21 did not know what they were actually taking.

22 Q. But they did know they could be taking TAA?

23 A. Yes.

24 Q. And they knew it could be a TAA aqueous formulation.  
25 Right?

Simpson - cross

1 A. Their informed consent, I believe, referred to it as  
2 a water substance or something. I don't remember the exact  
3 language.

4 Q. They were told that it was an aqueous or water-based  
5 formulation. Right?

6 A. That was part of the informed consent, yes.

7 Q. None of the patients signed confidentiality  
8 obligations, did they?

9 A. Not to my knowledge.

10 Q. There were no implied confidentiality obligations on  
11 the part of the patients?

12 A. Other than what we showed earlier, they were  
13 instructed to not share the medication with another patient  
14 or family member or something like that. But that would  
15 pretty much be the extent of it.

16 Q. But they could tell somebody they were taking an  
17 aqueous TAA?

18 A. We asked them not to. But, I mean, we didn't follow  
19 them around.

20 Q. They were not legally obligated to say nothing about  
21 what they were taking?

22 A. That's correct.

23 Q. The two studies, the 305 and 309 studies were  
24 published\* in papers before July of 1995. Correct?

25 A. I believe that's correct. I don't know that I have

Simpson - cross

1 the exact dates in here. I would have to look at the actual  
2 publication to be able to give you that exact information.

3 Q. Could we pull up DX-10 and 11 together.

4 So on the left here, we have DX-10. That is the  
5 309 study. Correct?

6 A. Yes, it is.

7 Q. And on the right is DX-11. That is the 305 study?

8 A. That's right.

9 Q. Could you turn to the last page. So that shows that  
10 the Kobayashi paper is May to June of 1995. Right?

11 A. That's correct.

12 Q. And the second-to-last page.

13 MS. RURKA: Could you blow up the top right?  
14 It's a little hard to read.

15 BY MS. RURKA:

16 Q. Does that look like March through April of 1995?

17 A. My goodness. Look at that.

18 Q. It was published in 1995. Right?

19 A. I believe that is correct.

20 MS. RURKA: All right. Why don't we pull the  
21 time line back up. Could you put the papers on there?

22 BY MS. RURKA:

23 Q. So some time in 1995, these papers are published.  
24 Correct?

25 A. Yes.

Simpson - cross

1 Q. And you published these, RPR published papers with  
2 the intention of using them for marketing. Correct?

3 A. The intent, as I recall it, was for more of a  
4 scientific point of view to actually have that new  
5 information in the public domain. These articles sometimes  
6 are used for marketing purposes, of course.

7 Q. Okay. Did RPR want to make the public aware of a new  
8 product that was coming out on to the market?

9 A. I'm not aware that that was the purpose of these  
10 publications.

11 MS. RURKA: Can we pull up the Simpson  
12 deposition.

13 BY MS. RURKA:

14 Q. You were deposed in this case?

15 A. That's correct.

16 MS. RURKA: Can you pull up the transcript at  
17 Page 139?

18 BY MS. RURKA:

19 Q. It says here:

20 "Question: Do you have an understanding as to  
21 why you were publishing the results of clinical study 309?

22 "Answer: Yes.

23 "Question: And what was that understanding?

24 "Answer: In general, to get the information out  
25 there. It's obviously of some scientific value as well as



Simpson - cross

1 so that the more general public would be -- begin to be  
2 aware of a possible new product that would be coming on to  
3 the market.

4 "Question: And why -- why was that important?

5 "Answer: Um, my personal feeling about that  
6 would be, as any new product would come on the market, the  
7 more widely known or understood it is, then the more likely  
8 its acceptance would be."

9 Did you answer the questions that way at your  
10 deposition?

11 A. Yes, I did.

12 MS. RURKA: Can we put up PTX-1, please?

13 BY MS. RURKA:

14 Q. Do you recognize this document?

15 A. I see it. But it doesn't completely ring a bell, no.

16 MS. RURKA: Actually, why don't you pull up the  
17 filed date there on the left-hand side.

18 BY MS. RURKA:

19 Q. And this patent was filed on July 3rd, 1996. Right?  
20 Is that what it says?

21 A. According to that, yes.

22 MS. RURKA: Why don't we pull back up  
23 Demonstrative 49.

24 And can we put that date on there?

25 BY MS. RURKA:

Simpson - redirect

1 Q. So July 3rd, 1996 is the date that was on the front  
2 of that patent. Correct?

3 A. Yes.

4 Q. And you submitted the declaration to the Patent  
5 Office. I think we talked about that earlier. Right?

6 A. Are you asking for a date or just a yes/no?

7 Q. Just yes/no.

8 A. Yes.

9 Q. In that declaration, you told the Patent Office that  
10 the Settipane and Kobayashi clinical trials were performed  
11 on the claimed invention. Right?

12 A. Yes.

13 MS. RURKA: Nothing further. Thank you.

14 THE COURT: Redirect.

15 MS. BALDWIN: Just a couple of questions,  
16 Mr. Simpson.

17 REDIRECT EXAMINATION

18 BY MS. BALDWIN:

19 Q. For the 305 Study, how long did the patient actually  
20 have the study drug in their possession?

21 A. For Study 305, that was a four-week treatment. So  
22 the patient would have the study medication for a total of  
23 four weeks.

24 Q. And how much medication do they have during that four  
25 weeks?

Simpson - redirect

1 A. They would have had I believe a single bottle. I  
2 don't recall the actual volume. It had to have at least  
3 120 sprays in, and that works out to I think a very small  
4 amount, maybe one milliliter or something like that.

5 Q. Is it the same size as the commercial Nasacort AQ  
6 bottle?

7 A. I can't answer it. I don't know exactly the  
8 comparisons between the two. It would be certainly  
9 generally very much like that, yes.

10 Q. And for the 309 Study, how long did the patient  
11 actually have the study drug in their possession?

12 A. That would have been no more than three weeks.

13 Q. And for the bottles of the study drug in the same  
14 time of containers that they were in the 305 Study?

15 A. That's my recollection, yes.

16 MS. BALDWIN: Thank you. No further questions.

17 THE COURT: All right. Thank you, sir.

18 MR. NOE: Good morning, Your Honor. Plaintiffs  
19 next call Dr. Bell.

20 THE COURT: Good morning.

21 - - -

22 PLAINTIFF'S TESTIMONY

23 ... DR. GREGORY KNOX BELL, having been placed  
24 under oath at 9:45 a.m. as a witness, was  
25 examined and testified as follows ....

Bell - direct

1 - - -

2 MR. NOE: May I approach, Your Honor?

3 THE COURT: You may.

4 (Binders passed forward.)

5 DIRECT EXAMINATION

6 BY MR. NOE:

7 Q. Good morning, Dr. Bell. Could you please state your  
8 full name for the record?

9 A. Gregory Knox, K-N-O-X, Bell.

10 Q. Dr. Bell, please briefly describe your educational  
11 background?

12 A. I have a Bachelor's of Arts, major in Economics,  
13 minor in Business, First Class Honors from Simon Fraser  
14 University in Canada. Master's in Business Administration  
15 with highest distinctions from Harvard and Ph.D. in Business  
16 Economics from Harvard University.

17 Q. Do you have any other professional degrees?

18 A. I'm also a Chartered Accountant in Canada. That's  
19 the same things as a CPA, Certified Public Accountant here  
20 in the U.S.

21 Q. How are you currently employed?

22 A. I'm the Executive Vice President in charge of  
23 Strategy and Business Consulting at CRA International. CRA  
24 International is a global economics and management  
25 consulting firm.

Bell - direct

1 Q. Have you held any other positions at CRA?

2 A. I'm also the Practice Leader for the Global Life  
3 Sciences practice. That position I've had for about the  
4 past 15 years.

5 Q. Within the Global Life Sciences practice, what are  
6 your responsibilities at CRA?

7 A. Well, they're principally two different types of  
8 responsibilities. The first is, one is doing this kind of  
9 work as an expert witness in proceedings dealing with the  
10 economics of the Life Sciences industry: patent cases,  
11 antitrust issues, other commercial disputes.

12 But the majority of my work is in business  
13 strategy consulting. I would be hired by major life  
14 sciences firms and global multinational pharmaceutical  
15 companies to help them assess, for instance, the opportunity  
16 for a new drug, a new indication, a new therapy, help bring  
17 that therapy to market, issues around launch strategy, how  
18 to price the product, how to market it, how to position it  
19 for physicians, position it for patients, what attributes  
20 are likely to drive physician prescribing behavior for that  
21 product, patient use behavior, how competitors would be  
22 expected to respond in the marketplace to their launch of  
23 this product. And then following the product through the  
24 life cycle: when somebody else is entering a new product or  
25 when the product in a category goes generic or potentially

Bell - direct

1 over-the-counter therapy comes up.

2 Q. Can you provide examples of some of the  
3 pharmaceutical companies you have worked with in the past?

4 A. Sure. It's the standard list of all the major ones:  
5 Bristol Myers Squibb, Johnson & Johnson, Eli Lilly,  
6 Sanofi-Aventis, Genzyme, Genentech. Pretty standard list.

7 Q. Have you held any academic positions?

8 A. Yes. I've lectured at Harvard University where I  
9 developed a course on the economics of business strategy.  
10 And then also as a Visiting Assisting Professor at  
11 Northeastern University in the Economics faculty prior to  
12 joining CRA.

13 Q. Do you have any publications?

14 A. Sure. They would be publications dealing with my  
15 academic research, issues around how companies make  
16 investment decisions, real options, that sort of thing. And  
17 then obviously with respect to the pharmaceutical industry,  
18 issues around pricing, cost effectiveness of drugs, that  
19 sort of thing.

20 Q. Have you been retained before in patent litigation  
21 where you were asked to offer an opinion on commercial  
22 success?

23 A. Yes, I have.

24 MR. NOE: Your Honor, at this time, plaintiffs  
25 offer Dr. Greg Bell as an expert in the economics and

Bell - direct

1 commercial strategies of the pharmaceutical industry.

2 THE COURT: Any objection?

3 MS. JOHNSON: No objection.

4 THE COURT: The doctor is accepted as an expert  
5 in these fields.

6 BY MR. NOE:

7 Q. Dr. Bell, what you were asked to do in this  
8 litigation?

9 A. I was asked to address two issues: First of all,  
10 whether or not Nasacort AQ was a commercial success from the  
11 perspective of nonobviousness as a secondary indicator. And  
12 then, secondly, whether or not that commercial success  
13 system from a nexus with respect to the patented attributes  
14 of the product.

15 Q. In your opinion, what are the issues related to  
16 evaluating commercial success as a secondary consideration  
17 of non-obviousness?

18 A. Well, first of all, it should be the case that we are  
19 talking about the product that is embodying the innovation  
20 at issue or potentially the product is the innovation at  
21 issue.

22 It should be the case that it is able to secure  
23 demand in the marketplace that is sufficient to support a  
24 price in the marketplace that is more than adequate to  
25 compensate for the ongoing costs of manufacturing the

Bell - direct

1 product and marketing the product.

2 And then secondarily, the second issue is, given  
3 that commercial success, the question is, has that  
4 commercial success been due to patented attributes or  
5 potentially due to other actions on behalf of the company  
6 that's commercializing the product.

7 So, for instance, it might be the case that the  
8 product had an inordinately low price in comparison to the  
9 competition. And that might be what is driving a lot of the  
10 demand. Or it could be that the product has been  
11 advertised, promoted, inordinately heavily, again, as  
12 compared to the competition. And that might be what's  
13 driving the success.

14 Q. What did you rely upon in forming your opinions in  
15 this case?

16 A. Well, certainly, there is my experience in the  
17 industry, 15 years leading the global practice at Searle, my  
18 expertise, in terms of the economics of business strategy.  
19 And then specifically, obviously, in this case, I reviewed  
20 the patents, reviewed a lot of documentation that has been  
21 produced by Sanofi-Aventis around the marketing strategy for  
22 this product, how it's being positioned for physicians and  
23 patients and payors, financial information on the product  
24 and summaries of how the product has performed.

25 And then IMS and Verispan data. These are two



Bell - direct

1 companies that provide data to the pharmaceutical industry  
2 around sales and marketing expenditures and the like.

3 Q. Dr. Bell, in your opinion, has Nasacort been a  
4 commercial success in the context of non-obviousness?

5 A. Yes, Nasacort AQ has been a commercial success in the  
6 context of non-obviousness, from my perspective.

7 Q. What is the basis for that opinion?

8 A. Well, there is really probably four of them. First,  
9 the product has engendered significant and substantial  
10 demand in the marketplace. Aventis has realized revenue in  
11 excess of one and a half billion dollars for this product  
12 since its launch.

13 Secondly, it's a product that's earned a growing  
14 share of prescriptions in the intranasal corticosteroid  
15 category, even at a time when that category has been  
16 growing.

17 Thirdly, it's been a product that's actually had  
18 to confront some obstacles. In principle, there were two  
19 significant supply disruptions that affected, obviously, the  
20 supply of the Nasacort AQ at the pharmacy. And yet demand  
21 for the product was sufficiently persistent that sales built  
22 back up after those supply disruptions were addressed,  
23 physicians continuing to demand to prescribe this product  
24 and patients continuing to use it.

25 Fourthly is, of course, the profitability. This

Bell - direct

1 is a product that has significantly performed, from the  
2 perspective of compensating or paying for all the costs of,  
3 ongoing costs of manufacturing and marketing the product and  
4 is contributing to the profits of Sanofi-Aventis, one of  
5 world's largest pharmaceutical companies.

6 Q. Let's take each of those one at a time. First, how  
7 did you learn that there have been substantial sales of  
8 Nasacort AQ?

9 A. Well, here, I looked at the IMS data, which again is  
10 this company that provides the information on the  
11 pharmaceutical industry, and simply plotted the sales, as  
12 recorded by IMS of Nasacort AQ.

13 Q. Can we pull up Nasacort AQ.

14 Dr. Bell, is this an exhibit you prepared?

15 A. Yes, it is. And again, you can see on the left-hand  
16 axis, that is the sales dollars as recorded by IMS by year  
17 since the launch in 1996. And as you can see, according to  
18 IMS, Nasacort AQ has generated over 2.3 billion dollars in  
19 sales.

20 That is 38 million prescriptions that have been  
21 written for this drug, that physicians have written and that  
22 patients have filled since it was launched in 1996.

23 Q. And, Dr. Bell, is this an exhibit that you prepared  
24 based on information that's contained in your expert report?

25 A. Yes. As you can see at the bottom, this is

Bell - direct

1 information that's taken directly from Schedule 3.1 in my  
2 expert report, which is the IMS sales data for the products  
3 in the intranasal corticosteroid category.

4 Q. Turning to the second basis of your opinion that  
5 Nasacort AQ was commercially successful, how did you  
6 determine that Nasacort AQ share increased over time in a  
7 growing market?

8 A. Well, again, I used the IMS data, which is tracking  
9 the sales of all the products in the category, and here  
10 looked at Nasacort AQ's share of prescriptions as a  
11 percentage of all prescriptions that were issued in -- or  
12 fulfilled, rather, in the intranasal corticosteroid  
13 category.

14 Q. Can we call up Plaintiffs' Demonstrative 29, please.

15 Dr. Bell, is this another exhibit that you  
16 prepared?

17 A. Yes. As you can see, this one is taken from  
18 Schedules 1.1 and 1.2 of my expert report. Again, on the y  
19 axis, or the vertical axis, we have got the share of  
20 prescriptions. And you can see that year on year, it  
21 generally has increased for Nasacort AQ, reaching a peak of  
22 14.4 percent of all prescriptions in the intranasal  
23 corticosteroid category in 2004.

24 So given this increase in prescriptions over  
25 time, I looked at the growth rates, to see how fast, for

Bell - direct

1 instance, the Nasacort AQ prescriptions were growing and how  
2 fast the prescriptions for the category as a whole were  
3 growing.

4 What I find is from 1997, the year after launch,  
5 through to 2006, prescriptions for Nasacort AQ are growing  
6 at 11.4 percent, more than twice as fast as prescriptions  
7 are growing for the category as a whole.

8 Now, to me that obviously indicates that this is  
9 a product that the growth and demand of this specific  
10 product is significantly higher than the growth and demand  
11 for the category as a whole, clearly indicated a  
12 differentiated product in the marketplace that physicians  
13 are prescribing for and that patients are using.

14 Q. Dr. Bell, for the third basis of your opinion on  
15 commercial success, how did you conclude that there has been  
16 a sustained and growing demand for Nasacort AQ despite  
17 obstacles?

18 A. Well, again, I have looked at the IMS data, and in  
19 particular focused around two periods where there were  
20 supply chain interruptions that had been reported in the  
21 documentation from Sanofi-Aventis. These were disruptions  
22 in the supply chains such that the expected amounts of  
23 Nasacort AQ weren't moving through the pipeline, going from  
24 the manufacturer to the wholesaler to the retailer and able  
25 to be dispensed to the consumer.

Bell - direct

1 Q. Can you call up Plaintiffs' Demonstrative 30, please.

2 Dr. Bell, is this another exhibit you prepared?

3 A. Yes, it is. And as you can see, this is taken from  
4 Schedule 5.2 of my expert report. Again, on the vertical  
5 axis, that's the share of prescriptions. And this is data  
6 that is actually done at the monthly level. So I looked at  
7 the monthly prescriptions for Nasacort AQ as compared to the  
8 monthly prescriptions for all intranasal corticosteroids.  
9 And you can really see here where those two green arrows are  
10 the impact of the supply chain interruptions.

11 Obviously, if product isn't getting to the  
12 retailer, it can't be dispensed to patients. So you see at  
13 the start of 1998 and again at the start of the 2000 a  
14 significant drop in the share of all prescriptions that were  
15 Nasacort AQ prescriptions.

16 What I think is significant about this is that  
17 the demand for this product has obviously persisted. After  
18 those supply chain interruptions have been corrected, you  
19 can see that the share of prescriptions climbs back up again  
20 and, in fact, surpasses the previous level.

21 That is indicating to me, again, demand for this  
22 product, this product in the category, by the physicians who  
23 are prescribing it and patients who are using it.

24 Q. For the fourth basis for your opinion on commercial  
25 success, how did you determine that Nasacort AQ sales have

Bell - direct

1       helped generate profits for Aventis?

2       A.       Well, here I looked at the financial information that  
3       had been prepared in the regular course of business by  
4       Aventis with respect to the product contribution or the  
5       contribution to profits for the Nasacort AQ product.

6       Q.       Can we have plaintiff Plaintiffs' Demonstrative 31,  
7       please.

8                     Dr. Bell, is this another exhibit that you  
9       prepared?

10      A.       Yes, it is. Again, this is from my expert report.  
11      This one is Schedule 4.1 of my expert report. It is a  
12      fairly standard presentation of financial results. You can  
13      see, we start with sales at the top line, and then we have  
14      got a margin, which is the result of deducting costs of  
15      sales.

16                    Then there is the marketing, direct marketing  
17      expenses for the product, and direct ongoing research  
18      expenses for the product. And then we have got the  
19      consequent product contribution, which is the margin less  
20      those direct expenses. Then that product contribution  
21      percent is simply what's the return on the net sales that  
22      the product is realizing to the profits of Sanofi-Aventis.

23                    What is important and what we have obviously  
24      called up here on the demonstrative is, for instance, that  
25      the last three years, which are the three years that I have

Bell - direct

1 data that is specific to Nasacort AQ, you can see that the  
2 sales of this product are dropping to the bottom line of  
3 Aventis or contributing to the bottom line of Aventis more  
4 than 50 percent of those sales values.

5 So, clearly, again, here is sales of product  
6 able to command a price in the marketplace, able to generate  
7 unit sales that more than cover, obviously, what it costs to  
8 manufacture and on an ongoing basis market the product.

9 Q. You can take this down.

10 Dr. Bell, turning to the issue of nexus. In  
11 your opinion, is the commercial success of Nasacort AQ  
12 linked to the patented features of that product?

13 A. Yes, it is.

14 Q. What is the basis for that opinion?

15 A. Well, fundamentally, it's got to do with how  
16 Sanofi-Aventis has marketed and positioned and messaged, if  
17 you will, the product in the marketplace, how it is talked  
18 about, the attributes of this product, to physicians and to  
19 patients. That message go has been tied back to the  
20 attributes of the products.

21 Then I go further and look at, okay, but is it  
22 the case that the product, Nasacort AQ, has benefited  
23 inordinately because of extraordinary expenditures by  
24 Sanofi-Aventis on marketing this product, in comparison to  
25 the competitors in the intranasal corticosteroid category,

Bell - direct

1 or has it been the case that Sanofi-Aventis has been able to  
2 benefit this product by having a significantly lower price  
3 and as a result generating lots of unit sales in comparison  
4 to the competitors.

5 That is the information that I use in reaching  
6 my conclusions.

7 Q. What is your understanding of the patented features  
8 of the product?

9 A. Well, first and foremost, it's my understanding that  
10 the product itself is the embodiment of the patented  
11 features. It is TAA, the active ingredient in aqueous. It  
12 is such that it's providing that the once-a-day efficacy and  
13 relief from symptoms.

14 The thixotropic property, which, as I understand  
15 it, enables this product to be sprayed and then to stay  
16 where it's sprayed, as one of the tag lines read. And as a  
17 result, giving the active ingredient the time to penetrate  
18 the mucosal membrane and work.

19 It's odorless. And that's stemming from the  
20 fact of it being alcohol free, that phenylethyl alcohol that  
21 gave the sort of rose scent. Tasteless.

22 And those attributes are contributing to patient  
23 comfort.

24 And the fact that it's not delivered with an  
25 aerosol blast but this soft poof.



Bell - direct

1                   So these issues of the once-a-day efficacy, the  
2                   nature of it, the odorlessness, patient comfort. Those are  
3                   all elements of that patented claims.

4           Q.       Dr. Bell, how did you conclude that the market  
5                   messaging for Nasacort AQ is linked to the patented features  
6                   of that product?

7           A.       Well, there is a fair amount of information in the  
8                   production about exactly how Sanofi-Aventis was positioning  
9                   the product in the marketplace and what the core messages  
10                  were that they were planning to have transmitted to the  
11                  physicians and to the patients and were the basis, for  
12                  instance, for advertising campaigns and the messaging that  
13                  the sales representatives would have at the top of their  
14                  mind when they go and visit the physicians.

15                       MR. NOE: Could we call up Plaintiffs' Trial  
16                   Exhibit 608, please?

17           BY MR. NOE:

18           Q.       Dr. Bell, is this one of the documents you just  
19                   referred to?

20           A.       Yes, it is. This is certainly one of the documents  
21                   from the production that I relied upon. And you can see,  
22                   for instance, in the top left there, it talks about the  
23                   positioning. And so this is the idea about how is it that  
24                   as a brand, we're going to position ourselves in the  
25                   marketplace in order to differentiate ourselves in the

Bell - direct

1 marketplace, provide something for the physicians to  
2 remember when they're looking to prescribe this product.

3 And so we've got this point here: stays where  
4 it's sprayed, relating to the thixotropic formulation.

5 The QD or once-daily dosing is obviously  
6 important from a patient's convenience perspective, and  
7 enabled by the fact that this is TAA in aqueous.

8 The odorlessness that comes from the lack of  
9 phenylethyl alcohol.

10 So that's how the brand and the brand managers  
11 and Sanofi-Aventis are looking to position the product in  
12 the marketplace.

13 And then if you look over at the middle of the  
14 second page, you see the core messages that they were  
15 looking to convey that positioning statement. So the core  
16 messages were: Stays where it's sprayed. The thixotropic  
17 nature. As a result, minimal drift at the back of the  
18 throat or runoff. The odorlessness of the formulation. The  
19 once daily dosage providing relief coming from the TAA that  
20 is being administered.

21 Q. Dr. Bell, in your opinion, did Aventis spend  
22 disproportionately to market these attributes?

23 A. No, it did not. And that is something I looked at.

24 MR. NOE: Can we call up Plaintiffs'  
25 Demonstrative 35, please?

Bell - direct

1 BY MR. NOE:

2 Q. Dr. Bell, is this an exhibit that you prepared?

3 A. It is. You can see again this is taken from my  
4 expert report. This is Schedule 3.6. And what this is  
5 doing is or what is on the Schedule 3.6 for that matter is  
6 the total of promotional expenditures as tracked by a  
7 company called Verispan.

8 And these are promotional expenditures for the  
9 detail representatives. Those are the sales representatives  
10 that go out and visit the physician's office. The ongoing  
11 medical education that the company would support.  
12 Physician conferences. Advertising in medical journals.  
13 Direct-to-consumer advertising that you might see on the  
14 television or in a consumer magazine.

15 And what I have looked at is say, okay, for the  
16 first nine years on the market, obviously, for Nasacort AQ  
17 and the three principal competitors for which I have the  
18 data on the first nine years on the market. What you see is  
19 according to Verispan, Nasacort AQ has actually spent less  
20 than its principal competitors. So clearly, it's not the  
21 case that Nasacort AQ or Sanofi-Aventis on behalf of  
22 Nasacort AQ has outspent the competition to try and drive  
23 sales for the product.

24 Q. Is this exhibit based on actual financial data from  
25 Aventis?

Bell - direct

1       A.       Well, no, it isn't. And the reason, of course, is  
2       because we don't have the actual financial information for  
3       the competing products. And this is the standard issue in  
4       the pharmaceutical industry. And so everybody uses  
5       Verispan, IMS data on how the competitors are spending.

6               The issue isn't so much the absolute levels.  
7       The question is, you know, according to Verispan, am I  
8       spending as much as my competitor? Am I spending 20 percent  
9       more? Am I spending 20 percent less? And that information  
10      is what the brand manager uses to adjust the marketing  
11      program as they go forward.

12             Maybe we need to be making more calls with  
13      physicians, because the competitors are in the offices much  
14      more often than we are, or they're spending a lot more on  
15      journal advertising so that the product is getting in front  
16      of physicians more often. So everybody uses these measures.

17             And maybe it would help to just explain a little  
18      bit. The way they do this is a little bit like the way  
19      Nielsen does TV ratings. They've got a panel of physicians.  
20      And this is a panel that obviously rotates. And the  
21      physicians, for instance, record every time a rep, a sales  
22      representative comes into the office and what product they  
23      talk about and what order they talk about them in. And then  
24      Verispan takes all that information, grosses it up to the  
25      size of the market, multiplies by a standard cost for a rep

Bell - direct

1 and that is sort of the detail expenditures part of this  
2 measure.

3 So is it exactly correct? Of course not. But  
4 to the extent there is errors, the errors are the same for  
5 every competitor and so that is why we use this information  
6 when we're looking at how are we comparing against the  
7 competition with respect to promotional expenditures, for  
8 instance.

9 Q. Dr. Bell, in forming your opinions that Aventis did  
10 not spend disproportionately to support sales of Nasacort  
11 AQ, did you analyze marketing and promotion data in any  
12 other ways?

13 A. Sure. The other principal metric is to look at what  
14 are the sales dollars as measured by IMS that are generated  
15 from those promotional expenditures as measured by Verispan.

16 MR. NOE: If we can call up -- I'm sorry. I  
17 didn't mean --

18 A. (Continuing): So that's something that I reviewed  
19 and have prepared a demonstrative on.

20 MR. NOE: If we could call up Plaintiffs'  
21 Demonstrative 32, please.

22 BY MR. NOE:

23 Q. Dr. Bell, is this the exhibit that you just referred  
24 to?

25 A. Yes, it is. Again, you can see this is taken from my

Bell - direct

1 expert report. This is the information from Schedule 2.1.  
2 And what is important here is the point that Nasacort AQ, in  
3 comparison to Nasonex, Flonase, Rhinocort Aqua, has sales  
4 per dollar spent on promotions that's right in line with the  
5 competition. It's actually doing a little bit better than  
6 Nasonex and Flonase.

7 And again, these are the sales data for IMS and  
8 promotional dollars per Verispan. It's not going to relate  
9 directly to information in Aventis financial statements. No  
10 one would expect that it would. But what is important is  
11 again how does it compare to the competition. Because  
12 they're all being measured the same way. And one of the  
13 takeaways you would have with something like this is if one  
14 of these bars were very low, then you would be saying, aha,  
15 that is a situation where the company is putting a lot more  
16 in marketing and in advertising to get a dollar of sales  
17 than the competition. Perhaps that indicates that marketing  
18 and advertising expenditures are a lot more important to the  
19 commercial success of this product than the patented  
20 features.

21 Obviously, not the case here.

22 Q. What, if anything, did you conclude from your  
23 analysis of marketing and promotional expenditures on behalf  
24 of Nasacort AQ?

25 A. Well, with respect to Nasacort AQ, commercial success

Bell - direct

1 has not been unduly influenced by marketing and promotion  
2 high school expenditures. Those expenditures have been in  
3 line with the competition. And as a result, the success  
4 that Nasacort AQ has realized, the demand for this product  
5 in my opinion has been coming from the patented features.

6 Q. In your opinion, did Aventis price Nasacort AQ more  
7 aggressively than the competition?

8 A. No, I don't believe it did. And we flashed up here  
9 on the screen another demonstrative. This is one I prepared  
10 from Schedule 4.3 of my expert report. And what I'm looking  
11 at here is the list price per day of therapy. You know,  
12 there could be different dosing for each product. Look at a  
13 day of therapy. And it's looking at Nasacort AQ; the  
14 principal competitors, Flonase, Nasonex, Rhinocort Aqua and  
15 also Beconase and Vancenase because at the time of the  
16 launch of Nasacort AQ, they were the lead products in the  
17 category.

18 And what you see here obviously is that Nasacort  
19 AQ has not been priced lower than the competition. It's  
20 right in the range of the competition. And as a result,  
21 from that I conclude that it's not the case that commercial  
22 success of Nasacort AQ has been unduly influenced by a  
23 particularly low price in comparison to the competition. In  
24 fact, the demand for this product is demand for those  
25 attributes that it brings to the marketplace. And the

Bell - direct

1 demand that physicians are looking for, the attributes that  
2 physicians are looking for when they're prescribing the  
3 product and when patients are using it.

4 MR. NOE: No further questions at this time,  
5 Your Honor.

6 THE COURT: Counsel.

7 MR. HURST: Your Honor, Julia Johnson from our  
8 office is going to conduct the cross-examination.

9 THE COURT: Counsel.

10 CROSS-EXAMINATION

11 BY MS. JOHNSON:

12 Q. Good morning, Dr. Bell.

13 A. Good morning.

14 Q. My name is Julia Johnson. I represent Barr Labs.

15 This is our first time meeting, isn't it?

16 A. It is, yes.

17 Q. Dr. Bell, you testified you reviewed a lot of  
18 documents from Aventis regarding their marketing strategy.  
19 Correct?

20 A. Yes.

21 Q. And in all of those Aventis documents that you  
22 reviewed, you didn't see any evidence that Aventis marketed  
23 Nasacort AQ on the basis that it deposits in the frontal  
24 sinus, did you?

25 A. Not that I recall.



Bell - direct

1 Q. So, just, for example, you don't recall seeing any  
2 sales training manuals discussing how to market Nasacort AQ  
3 on the basis that it deposits in the frontal sinus, do you?

4 A. I don't recall seeing anything specific about that in  
5 a sales training manual.

6 Q. You don't recall seeing any marketing materials  
7 directed to doctors discussing Nasacort AQ depositing in the  
8 frontal sinus, do you?

9 A. Not that I recall, no.

10 Q. And similarly, you don't recall seeing any marketing  
11 materials directed to consumers discussing Nasacort AQ  
12 depositing in the frontal sinus, do you?

13 A. Not that I recall, no.

14 Q. Okay. Dr. Bell, we heard you testify that you are an  
15 economist. Correct?

16 A. Yes.

17 Q. You testify quite a bit about your consulting work  
18 that you do. Isn't that right?

19 A. I certainly testify that I do consulting work, yes.

20 Q. But you have never held a position in marketing in a  
21 pharmaceutical company as an employee of that company, have  
22 you?

23 A. No. I am hired by them to assist on those issues.

24 Q. But you are not an employee of a pharmaceutical  
25 company in their marketing department. Right?

Bell - cross

1 A. No, I am not.

2 Q. And you have never held the position in sales in a  
3 pharmaceutical company as an employee of that company?

4 A. No.

5 Q. And you have never actually held any position in a  
6 pharmaceutical company as an employee of that company.

7 Right?

8 A. Not as an employee. Obviously, retained by them a  
9 lot, but not as an employee.

10 Q. Right. But not as an employee of the company.

11 Correct?

12 A. Correct.

13 Q. We already touched on this a little bit and I know  
14 you testified about this on direct. But Aventis used a  
15 variety of marketing messages for Nasacort AQ, didn't it?

16 A. Yes, sure, over the years.

17 Q. We saw some of them in the exhibit that counsel for  
18 Aventis put up. I think they were Stays where it's Sprayed,  
19 Once Daily Dosing, Prompt Relief, odorlessness. Is that  
20 right, Dr. Bell?

21 A. Yes, I recall that, sure.

22 Q. You don't have any evidence that Nasacort AQ was  
23 prescribed based on the Stays Where It's Sprayed message  
24 specifically, do you?

25 A. As I sit here, I am not aware of documents where they

Bell - cross

1 have asked physicians how was it that you actually  
2 prescribed? Was it because of the Stays Where It's Sprayed  
3 message? That may exist. I am not aware of it.

4 Q. Just so we are clear, as of today, as you sit here,  
5 you are not aware of any evidence that any physicians  
6 prescribed Nasacort AQ specifically on the basis of the  
7 Stays Where It's Sprayed message. Is that correct?

8 A. It would be correct. Not specifically, again, it's  
9 part of the overall positioning of the product that  
10 generates sales.

11 Q. Again, I am trying to focus specifically on the  
12 state --

13 THE COURT: I think he has answered that  
14 question.

15 BY MS. JOHNSON:

16 Q. You don't have any evidence that Nasacort AQ was  
17 prescribed because it's odorless. Correct? And again I am  
18 referring to specifically based on that message.

19 A. Well, I am certainly aware that there are patients  
20 that -- patients -- that there is clinical studies that show  
21 that some patients prefer the odorless formulation. I am  
22 not aware of documentation that says that this physician  
23 prescribed Nasacort AQ for this patient because of  
24 odorlessness. But that can certainly be the case.

25 Q. Okay. But you don't have any evidence that those

Bell - cross

1 patient preference studies actually translated into  
2 prescriptions for Nasacort AQ. Correct?

3 A. Again, I am aware that physicians were aware that it  
4 was odorless, and presumably that was part of their  
5 consideration when making prescribing decisions.

6 Q. I appreciate that. I am just trying to find out  
7 whether you have any direct evidence that a physician  
8 prescribed Nasacort AQ specifically on the basis of the  
9 odorless message?

10 A. Nothing specifically, again, that says for this  
11 patient I prescribed it for that reason.

12 Q. Thank you.

13 And similarly, that would apply basically for  
14 any specific marketing message. Is that correct? You don't  
15 have any evidence of any particular marketing message  
16 causing a physician to prescribe Nasacort AQ?

17 A. Yes, that would be pretty standard in my experience  
18 for pharmaceutical products in general.

19 Q. Let's take a look at DX-23, please.

20 MS. JOHNSON: May I approach, Your Honor?

21 THE COURT: Yes.

22 BY MS. JOHNSON:

23 Q. Dr. Bell, you were in the courtroom when Mr.  
24 Boghigian testified about this sales training document,  
25 DX-334, yesterday. Correct?

Bell - cross

1 A. Yes, I was.

2 Q. Okay. Mr. Young, if you could please go to Page 22.

3 Now, this describes physician perceptions saying  
4 all INS's are the same. Did I read that correctly, Dr.  
5 Bell?

6 A. Yes, you have read it correctly.

7 Q. Again, this is a sales training document. Correct?

8 A. Correct. That's my understanding, yes.

9 Q. And if we could go to Page 29, please, Mr. Young.

10 And again, this says, They are all the same.  
11 Did I read that correctly, Dr. Bell?

12 A. Yes, you have read it correctly.

13 Q. You didn't consider this document in reaching your  
14 opinion about Nasacort AQ, did you?

15 A. I don't believe this document was listed on Exhibit B  
16 to my report. I don't believe it was part of what I  
17 considered, yes.

18 Q. So if it was listed on Exhibit B, then it wouldn't  
19 have been something that you considered. Right?

20 A. If it wasn't listed on Exhibit B or otherwise  
21 referenced in the report, and I don't think this was.

22 Q. Okay. Let's turn to one of the demonstrative  
23 exhibits that counsel for Aventis put up.

24 Mr. Young, are you able to put up Plaintiffs'  
25 Demo 31.

Bell - cross

1                   Now, Dr. Bell, you testified that this is a  
2 presentation of financial results. Is that right?

3 A.           Correct.

4 Q.           But you didn't receive this presentation of financial  
5 results in this form from Aventis, did you?

6 A.           No. The actual sources of it are as indicated in  
7 Schedule 4.1 of my report.

8 Q.           So you had to compile more than one document into  
9 this presentation of financial results. Correct?

10 A.          My recollection is that's correct. Again, it's  
11 indicated on I believe Schedule 4.1.

12 Q.          Again, these financial results start in the year  
13 2000. Is that right?

14 A.          Correct.

15 Q.          So this chart doesn't tell us anything about whether  
16 Nasacort AQ recouped its initial research and development  
17 costs. Correct?

18 A.          Correct.

19 Q.          In fact, you don't have any information about whether  
20 Nasacort AQ recouped those costs, do you?

21 A.          No, I don't. But it wouldn't be germane to my  
22 opinion.

23 Q.          Let's take a look at Plaintiffs' Demo 27, please, Mr.  
24 Young.

25                   Now, Dr. Bell, you testified that this chart

Bell - cross

1 shows the dollar sales of Nasacort AQ. Correct?

2 A. Well, I think it was quite clear, I said according to  
3 IMS.

4 Q. I heard you testify about the IMS and Verispan data.  
5 Just so I am clear, IMS data is based on the product's AWP.  
6 Right?

7 A. This particular audit of IMS is, I believe, based on  
8 the product's AWP.

9 Q. And AWP, that stands for average wholesale price,  
10 doesn't it, at least to some people?

11 A. That's a question of considerable interest in the  
12 courts right now. In my considered opinion, AWP is a  
13 pricing benchmark used in the pharmaceutical industry.

14 Q. Okay. But in any event, the AWP is the price before  
15 discounts and rebates. Correct?

16 A. AWP may be considered to be a list price. It is  
17 certainly before any discounts and rebates.

18 Q. So it's not the actual sales, net sales data then?

19 A. That's correct, yes.

20 Q. And then I also heard you testify that IMS is what  
21 you use when you want to compare a product to its  
22 competitors, IMS data. Is that correct?

23 A. Well, that's one of the sources, sure.

24 Q. Okay. But I don't see any competitors for Nasacort  
25 AQ on this chart. You didn't prepare a chart using the

Bell - cross

1 dollar sales for Flonase, did you?

2 A. I am not sure I understand the question.

3 Q. Okay. You didn't do a comparison of dollar sales  
4 using IMS data for Nasacort AQ to Flonase, did you?

5 A. The data is in my report. But I didn't do a dollar  
6 share calculation. I did a prescription share calculation.

7 Q. Okay. I am not even talking about, not just dollar  
8 share, but just dollars to dollars. You didn't do that  
9 comparison, either, did you?

10 A. Well, it's sitting right there on Schedule 3.1. If  
11 you look at 3.1, you will see the Flonase dollars and the  
12 Nasacort AQ dollars.

13 Q. Let's go ahead and do that then.

14 Mr. Young, can you please pull up PTX-585.

15 Now, this is a schedule, this is your schedule  
16 3.1 that you just referenced. Correct?

17 A. Correct.

18 Q. This shows dollar sales for products in the INS  
19 class. Right?

20 A. Well, again, it shows dollar sales as recorded by IMS  
21 in the category which is, which is the intranasal  
22 glucocorticosteroids.

23 Q. Thank you for the clarification.

24 Let's take a look at 1997. That's the first  
25 full year after Nasacort AQ launched. Right?



Bell - cross

1 A. Yes, that's correct.

2 Q. Mr. Young, are you able to pull that up so we can  
3 read it?

4 So looking at 1997, which is the box sort of in  
5 the upper center of the screen?

6 A. I am not exactly sure this is any easier to read.  
7 But all right.

8 Q. Can you see it?

9 A. I can see it says 1997.

10 Q. Then do you see the highlighting in the bottom of  
11 that box, there is a highlighted number?

12 A. Sure.

13 Q. So according to your schedule, dollar sales for  
14 Nasacort AQ were almost 47 million dollars. Right?

15 A. Well, yes. Again, as recorded by IMS.

16 Q. As recorded by IMS, okay. So that was Nasacort AQ in  
17 1997. Let's look at the first full year after Flonase  
18 launched. That's 1995. Right?

19 A. I believe so, yes.

20 Q. If we look at the box in the top left of the screen,  
21 it looks like dollar sales for Flonase in its first full  
22 year of launch were over 94 million dollars. Right?

23 A. Yes.

24 Q. Why don't we take a look at Nasonex. The first full  
25 year after Nasonex launched was 1998. Right?

Bell - cross

1 A. Can we get rid of the junk, then I could actually  
2 read --

3 Q. Sure. If you feel you can read it better without the  
4 boxes, absolutely.

5 A. I am just trying to follow the Nasonex line across.

6 Q. Okay.

7 A. I am sorry. The question was, 1998. Yes, that's --  
8 that's much better -- so 1998, I agree. That's the first  
9 full year for Nasonex sales.

10 Q. And dollar sales for Nasonex in that year were over  
11 115 million dollars, weren't they?

12 A. That's correct, according to IMS, yes.

13 Q. Now, let's take a look at the year in which Nasacort  
14 AQ generated the most dollar sales according to IMS data.

15 That would be 2005. Right, Dr. Bell?

16 So again, 2005 appears to be the year in which  
17 Nasacort AQ generated the highest dollar sales according to  
18 IMS data. Correct?

19 A. Yes, that's correct.

20 Q. And dollar sales for Nasacort AQ in 2005 were about  
21 350 million dollars. Right?

22 A. Right, according to IMS, sure.

23 Q. Let's take a look at the dollar sales for Flonase in  
24 that same year, 2005. Dr. Bell, do you see that dollar  
25 sales for Flonase in 2005 were over 1.2 billion dollars?

Bell - cross

1 A. Sure, yes.

2 MS. JOHNSON: Thank you, Mr. Young.

3 Let's take a look at the Plaintiffs' Demo 28.1,  
4 please.

5 BY MS. JOHNSON:

6 Q. Now, Dr. Bell, this graph shows market share of  
7 Nasacort AQ according to total prescription. Correct?

8 A. Yes. It shows the Nasacort prescriptions as a share  
9 of total in the INS category.

10 Q. Again, we're looking at Nasacort AQ on this graph.  
11 We're not looking at any competitors, are we?

12 A. I haven't graphed any of the competitors, no, but the  
13 information again is taken from, I think this is one of the  
14 Schedule three-point-somethings in my report.

15 Q. But just to continue looking at this chart or this  
16 graph for the time being. It looks like Nasacort AQ's peak  
17 market share was 14.4 percent in 2004. Is that right?

18 A. Correct.

19 Q. And it looks like the scale of your graph goes up to  
20 about 16 percent. Am I right?

21 A. Sure. It only had to go up to 14.4 to fit it on the  
22 page.

23 Q. Exactly. You mentioned one of your schedules has the  
24 data for Nasacort AQ's competitors?

25 A. Sure.

Bell - cross

1 MS. JOHNSON: Let's take a look at that  
2 schedule. I think that it is PTX-703. If you could pull  
3 that up please, Mr. Young.

4 BY MS. JOHNSON:

5 Q. Now, it sounds like you didn't, yourself, actually do  
6 any calculations of the competitors market share, for  
7 example, Flonase. Is that right?

8 A. Well, I don't recall sitting down and computing it  
9 year by year.

10 Q. Okay. Well, let's take a look at Flonase market  
11 share for 2004. Now, 2004, again, that is the year that  
12 Nasacort AQ had its peak market share of 14.4 percent. Am I  
13 right?

14 A. Correct.

15 Q. Okay. So let's take a look at Flonase for 2004. And  
16 I actually calculated this, using your numbers here that you  
17 provided. And I took Flonase sales data which I saw to be  
18 15,347,490, and I divided that by the total corticosteroid  
19 market of 33,533,932. And, again, this is total  
20 prescriptions, not dollars?

21 A. Correct.

22 MR. NOE: Your Honor, I'll object to the form of  
23 the question.

24 THE COURT: Overruled.

25 BY MS. JOHNSON:

Bell - cross

1 Q. And that's the correct way to do the calculation.

2 Right?

3 A. In terms of coming up with the share of  
4 prescriptions, sure. Yes, that is exactly what I did with  
5 respect to Nasacort AQ.

6 Q. Okay. Great.

7 MS. JOHNSON: Mr. Young, let's go back to Demo  
8 28, please.

9 BY MS. JOHNSON:

10 Q. Now, the number, the market share percent that I got  
11 for Flonase in 2004 was 45.8 percent. Does that sound about  
12 right based on those numbers?

13 A. It sounds about right.

14 Q. So Flonase being 45.8 percent, that would be just way  
15 off your chart there, wouldn't it?

16 A. Well, on this scale, sure. If I wanted to put  
17 Flonase on, I'd adjust it but you would end up with Flonase  
18 being about three times the share of Nasacort AQ.

19 Q. Okay.

20 A. Some products are more successful than others.

21 Q. Okay. In the end, you can't deny that Nasacort AQ  
22 was never the INS market leader, can you?

23 A. Oh, I never said it was the INS market leader. I  
24 simply said it was commercially successful from the  
25 perspective of nonobviousness.

Bell - redirect

1 Q. Not only was it not the market leader but it never  
2 did better than number three in the class of INS products.  
3 Is that right?

4 A. I think that is right. Yes.

5 Q. Okay. Thank you.

6 MS. JOHNSON: I have no further questions.

7 THE COURT: Thank you, counsel.

8 MR. NOE: Very briefly, Your Honor.

9 THE COURT: Sure.

10 MR. NOE: PX-334.

11 Take that down, please.

12 Mr. Young, if you could call up 334 and  
13 specifically Page 22 which counsel discussed with the  
14 witness.

15 REDIRECT EXAMINATION

16 BY MR. NOE:

17 Q. Dr. Bell, directing your attention to Page 22 of  
18 DX-334, do you see at the top where it says: position  
19 perceptions? Would you agree that that suggests that is  
20 what doctors might think before learning about the  
21 attributes of Nasacort AQ?

22 A. It certainly could be.

23 MR. NOE: And, Mr. Young, if I could have the  
24 very next page of this exhibit.

25 BY MR. NOE:

Bell - redirect

1 Q. And indeed on the next page of the exhibit appears,  
2 do you see where Settipane appears at the top?

3 A. Yes.

4 Q. And then information about the Settipane study?

5 A. Yes.

6 Q. And immediately below that it says: key selling  
7 points?

8 A. Yes.

9 Q. So would you agree then that this appears to be  
10 information that would be useful in informing physicians  
11 about the attributes of Nasacort AQ?

12 A. Sure. This would be the kind of thing that the reps  
13 would be trained on so that if they get the response in the  
14 physician office that is, oh, gee, I think they're all the  
15 same; well, doctor, let me tell you about the Settipane  
16 study and what its results were with respect to Nasacort AQ.

17 Q. And, lastly, Dr. Bell, in addition to the  
18 pharmaceutical companies that you mentioned earlier, have  
19 you also worked with generic manufacturers as well?

20 A. Yes, I have.

21 MR. NOE: Thank you. No further questions, Your  
22 Honor.

23 THE COURT: Thank you, doctor.

24 (Witness excused.)

25 THE COURT: How many more witnesses do you have,

1 Mr. Berghoff?

2 MR. BERGHOFF: Two more.

3 THE COURT: Let's take a break.

4 (Recess taken.)

5 THE COURT: Please be seated.

6 Counsel, I received your letter. I think the  
7 better part of discretion would have been to have left this  
8 subject alone given that yesterday it was over in my  
9 judgment, but now you raised it again.

10 The local rule does not reflect my practice.

11 That should be known to Delaware counsel.

12 MS. PASCALE: We will honor your practice. And  
13 I will share --

14 THE COURT: I know you will honor my practice,  
15 but I don't need to have a local rule of my own court  
16 recited to me. I know what the local rules are. I don't  
17 agree with this rule. I don't practice it in that way.

18 Once the witness is on the stand and under oath  
19 and under examination, the witness is not to be conferred  
20 with by counsel. Is that clear?

21 MS. PASCALE: Understood, Your Honor.

22 THE COURT: I would have left this alone.

23 MS. PASCALE: I apologize for any offense, sir.

24 THE COURT: Okay. Let's go.

25 MR. BERGHOFF: Your Honor, plaintiffs call,



Lochhead - direct

1 recall as their next rebuttal witness, Dr. Robert Lochhead.

2 THE DEPUTY CLERK: Dr. Lochhead, please be

3 reminded you are still under oath. Thank you.

4 . DR. ROBERT YATES LOCHHEAD, having been previously sworn as

5 a witness, was examined and testified further as follows ...

6 MR. BERGHOFF: May I approach, Your Honor?

7 THE COURT: Yes.

8 (Binder passed forward.)

9 DIRECT EXAMINATION

10 BY MR. BERGHOFF:

11 Q. Good morning, Dr. Lochhead.

12 A. Good morning.

13 Q. You testified in our case-in-chief about some testing  
14 that you did on Nasacort AQ. Correct?

15 A. Yes. Yes, I did.

16 Q. Were you asked to test the setting and sheared  
17 viscosity of Beconase AQ and Flonase?

18 A. Yes, I was asked to test the setting and sheer  
19 viscosity of Beconase and Flonase.

20 Q. And did you do that?

21 A. I did that, yes.

22 Q. And in doing your testing on Beconase and Flonase,  
23 did you follow the methods described in the patents in suit?

24 A. Yes, I followed exactly the methods described by the  
25 patents in suit for Beconase and Flonase.

Lochhead - direct

1 Q. Now, Dr. Lochhead, we've heard mixed in this case of  
2 a prior product called Vancenase AQ. Were you able to test  
3 that product as well?

4 A. No, I wasn't able to test that product because I  
5 understand that that product has been delisted and it is  
6 commercially available. I also understand its attempts to  
7 get enough product to do Brookfield testing for that were  
8 unsuccessful.

9 Q. And how much of a product do you need at a minimum to  
10 do the appropriate Brookfield testing set forth in the  
11 patents in suit?

12 A. I need a minimum of 500 milliliters.

13 MR. BERGHOFF: Let's put up, if we could -- and  
14 I believe it's in your binder as well -- Page 9 from  
15 PTX-484.

16 BY MR. BERGHOFF:

17 Q. Dr. Lochhead, do you see that?

18 A. Yes.

19 Q. Could you tell us what it is we're looking at? What  
20 is this a page from?

21 A. This is a page from the lab book that I recorded my  
22 testing results in with respect to this case.

23 Q. And is this a standard-bound laboratory notebook or  
24 something else?

25 A. It's a standard-bound laboratory notebook.

Lochhead - direct

1 Q. And does this page reflect the results of your  
2 viscosity testing of Flonase?

3 A. Yes, it does.

4 MR. BERGHOFF: And could we perhaps look at --

5 BY MR. BERGHOFF:

6 Q. And do you have a laser pointer with you?

7 A. Yes.

8 Q. Perhaps you could tell us what your results were when  
9 you tested Flonase?

10 A. Well, here, I'm testing Flonase and I find that the  
11 viscosity of the setting viscosity is in the range of 680 to  
12 720. That is my first result, 720.

13 And after shaking, the sheared viscosity is 307  
14 to 375. That is my first result, 307. And that is after  
15 shaking, according to the method defined in the patent, the  
16 Burrell wrist action shaker.

17 Q. And how long did you shake the Flonase in this test?

18 A. Five minutes, as specified by the patent.

19 Q. At what speed?

20 A. At full speed.

21 Q. And just so the record is clear, you were directing  
22 us to the numbers under the heading Viscosity (CPS)?

23 A. Yes, I was.

24 MR. BERGHOFF: Let's go to Page 8 of this  
25 exhibit.

Lochhead - direct

1 BY MR. BERGHOFF:

2 Q. And does this page from PTX-484 reflect -- well, what  
3 does that page reflect?

4 A. This shows my testing, my viscosity testing for  
5 Beconase.

6 Q. And what were the results?

7 A. The results here is my setting viscosity. And then,  
8 on the undisturbed sample, 816 centipoises. Going down,  
9 about the third time to 720 centipoises.

10 And 358 centipoises to 376 centipoises for the  
11 sheared viscosity after shaking in the same way.

12 Q. And, again, you were referring to the numbers on this  
13 page under the heading: Viscosity (CPS)?

14 A. Yes, I was.

15 MR. BERGHOFF: Could we put up Plaintiffs'  
16 Demonstrative Exhibit 66.2, please?

17 BY MR. BERGHOFF:

18 Q. Could you describe what is shown on this exhibit on  
19 the bottom two lines? I don't want to go over what we've  
20 already heard in the case-in-chief, just the bottom two  
21 lines on this.

22 A. The bottom two lines summarize my data, my viscosity  
23 test data for Beconase AQ and Flonase. And they show that  
24 the sheared viscosity in both cases exceeds the limit of  
25 50-to-200 centipoises as specified by the patents.

Lochhead - direct

1 Q. And how about the setting viscosity with respect to  
2 the range defined in the patents?

3 A. The setting viscosity, with the exception of one  
4 which is slightly out, the setting viscosity falls within  
5 the range of 400-to-800 centipoises as specified by the  
6 patents.

7 MR. BERGHOFF: Let's put up Plaintiffs'  
8 Demonstrative Exhibit 66.1.

9 BY MR. BERGHOFF:

10 Q. And now, if you could just describe for us the top  
11 two lines of this chart, referencing Beconase AQ and  
12 Flonase.

13 A. This is a summary of my results, my viscosity  
14 testing. And you can see that here we've got the setting  
15 viscosity range of 400-to-800 centipoises and Beconase AQ  
16 falls within that setting viscosity range, as does Flonase.

17 Here, we have the shear viscosity range for the  
18 patent, 50-to-200 centipoise; and clearly Beconase AQ and  
19 Flonase fall outside, greater than the top end of that  
20 range, for the sheer viscosity.

21 Q. Thank you, Dr. Lochhead.

22 Now, what relationship, if any, does your  
23 testing of Nasacort AQ that you described for us in your  
24 testimony originally in the case-in-chief, what  
25 relationship, if any, does that have to your testing of

Lochhead - cross

1 Flonase and Beconase AQ?

2 A. Well, I know that Nasacort AQ is an embodiment of the  
3 patents-in-suit and so this acted as a control to verify  
4 that indeed Nasacort AQ falls within the specified range  
5 specified by the patents. So this is the control. I have  
6 confidence in my numbers and it gives me confidence that  
7 Beconase and Flonase are, in fact, outside of the range  
8 specified by the patents.

9 Q. Is it usual to have a control in an experiment such  
10 as this, Dr. Lochhead?

11 A. Oh, yes. I always try to put in controls.

12 MR. BERGHOFF: No further questions, Your Honor.

13 THE COURT: You may cross-examine.

14 MR. HURST: I apologize, Your Honor. It's  
15 shorter than I expected so I have to find the part of the  
16 examination.

17 THE COURT: Sure. I understand.

18 CROSS-EXAMINATION

19 BY MR. HURST:

20 Q. Good morning, Dr. Lochhead.

21 A. Hello again, Mr. Hurst.

22 MR. HURST: Can you put up, please, Mr. Young,  
23 Defendants' Demonstrative Exhibit 35?

24 BY MR. HURST:

25 Q. Just to help us talk through this, Dr. Lochhead.

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1 This depicts the comparison between your results and  
2 Dr. Klingenberg's results; correct?

3 A. (No verbal response.)

4 Q. Does it accurately predict those results -- you  
5 tested Flonase to come within the claimed setting viscosity.  
6 Is that correct?

7 A. I believe this shows Dr. Klingenberg's results and my  
8 results, yes.

9 Q. And the only difference that you and he got with  
10 respect to Flonase's viscosity was with respect to the sheer  
11 viscosity. Correct? You found Flonase to be outside the  
12 range and Dr. Klingenberg found Flonase to be within the  
13 range. Correct?

14 A. Yes, I found Flonase to be outside the range but  
15 Dr. Klingenberg testified that I think that that Flonase  
16 viscosity he tested was not a true viscosity.

17 Q. Right. Now, with respect to the testing that both  
18 you and Dr. Klingenberg did, you were both working with five  
19 lines in the patent that described the testing. Correct?

20 A. I can't remember the precise five lines but it was  
21 where the lines were in the patent, but I also considered  
22 the Brookfield viscosity --

23 Q. Right.

24 A. -- thixotropic materials.

25 Q. And the patent doesn't tell you how much, for

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1 instance, how full to fill the container of the shaker for  
2 the Burrell shaker, does it?

3 A. Well, the Brookfield viscosity tells you 500 mils, a  
4 minimum of 500 mils and a minimum size of 600-mil container.  
5 But, no, the patent doesn't specify how full.

6 Q. Dr. Klingenberg ran some experimentation to try to  
7 figure exactly how full to make the container. Do you  
8 remember hearing that testimony yesterday?

9 A. That's what he testified to.

10 Q. Before you did your testing, you didn't do any  
11 experimentation? You went straight to the testing. Is that  
12 true?

13 A. Of course, because I had the protocol, and I wanted  
14 to -- I couldn't deviate from that protocol. I went  
15 straight and made the measurement.

16 Q. That protocol that you prepared -- can we go to that?  
17 It's Defendant's Exhibit 363. This is the -- it's part of  
18 your expert report. Correct?

19 A. I think this is part of my first expert report, yes.

20 Q. Now, the patent has five lines of description, as we  
21 discussed. Correct?

22 A. If you say so.

23 Q. My apologies. A few lines. Correct?

24 A. It has a few lines in the specification of the  
25 patent, yes.



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1 Q. Your protocol spans eight pages. Is that right?  
2 Approximately?

3 A. That's correct, but, of course, the patent also  
4 specifies Brookfield LVT Viscometer. So I bring in  
5 information from the Brookfield --

6 Q. For now, I just wanted to ask whether, is it true  
7 that your protocol spans eight pages, approximately?

8 A. I think so.

9 Q. This isn't a standard protocol for viscosity testing.  
10 It's something you made up special for this case. Correct?

11 A. The Brookfield portion is standard. My knowledge of  
12 thixotropic is standard. What I took from the patent, of  
13 course, is special for this case.

14 Q. Your deposition, Page 85, please. Did you answer  
15 this question in this way at your deposition, sir:

16 "Well, this isn't a standard protocol. This is  
17 a protocol you made especially for this case. Right?

18 "Answer: Yes."

19 Did you give that answer to that question?

20 A. Yes.

21 Q. Now, in making up this special protocol, am I also  
22 correct that it involved about ten hours of meetings with  
23 counsel to prepare the protocol? Is that true?

24 A. Up to ten hours, yes.

25 Q. And typically, when you prepare experimental

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1 protocols in your laboratory, you don't meet with lawyers to  
2 do so. Is that true?

3 A. Yes. Typically, I don't.

4 Q. And in this case, when you make a protocol for  
5 experimentation in your laboratory, I take it you typically  
6 draft the protocol yourself or have an assistant draft it on  
7 your behalf. Correct?

8 A. That depends. Usually, if I am developing a  
9 protocol, I will meet with the people I am doing the method  
10 for and we will be able to discuss the protocol sometimes at  
11 length.

12 Q. In this particular case the lawyers actually did the  
13 physical draft of the protocol for you. Correct?

14 A. After I had discussed and told them what I wanted in  
15 the protocol, yes, they drafted, they put it to paper.

16 Q. But you would agree with me, typically, when you are  
17 conducting experimentations for specification purposes, that  
18 lawyers don't draft your protocols?

19 A. Lawyers don't, but clients sometimes do.

20 Q. When you did your testing -- can we go back up,  
21 please, to Demonstrative Exhibit 35. You did your testing  
22 and you found Nasacort was outside the range for shear  
23 viscosity. Correct?

24 A. That's correct.

25 Q. Are you aware of any other testing done on Flonase in

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1 connection with this case other than the testing that you  
2 did for Aventis?

3 A. No.

4 Q. Who selected this Flonase batch for testing? Was it  
5 you or was it the Aventis legal team?

6 A. It was sent to me, as far as I know, straight from  
7 Flonase, but from GlaxoSmithKline -- GlaxoSmithKline in a  
8 box. But it was sent by -- counsel had it sent to me.

9 Q. Counsel had it sent to you. Right?

10 A. Yes.

11 Q. Regardless of whether Flonase actually falls inside  
12 or outside the claimed shear viscosity, you would agree,  
13 wouldn't you, that Flonase has a suitable viscosity profile  
14 for a nasal spray?

15 MR. BERGHOFF: Your Honor, we are clearly  
16 outside the scope here.

17 THE COURT: I think we are.

18 MR. HURST: If it is clear that Mr. -- I am  
19 sorry, apologies -- if it is clear that Dr. Lochhead is not  
20 offering any opinions on obviousness at all, then we will be  
21 outside. But I think the examination was for the purpose of  
22 obviousness.

23 THE COURT: I didn't take it as such.

24 MR. BERGHOFF: It was to put the testing into  
25 evidence, Your Honor. There was no questioning on

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1 obviousness.

2 THE COURT: Do you still maintain?

3 MR. HURST: I will, I guess --

4 THE COURT: I didn't take the import of his  
5 testimony to be as you describe it.

6 MR. HURST: Let me try again. I think I will do  
7 better this time, at least I hope.

8 The purpose of the testimony is that Flonase is  
9 different from the claimed invention. That is the purpose  
10 of Dr. Lochhead's testimony. I am now about to show,  
11 hopefully, that it is not a difference that matters in any  
12 way, shape or form.

13 THE COURT: I will permit you to do that.

14 MR. HURST: Thank you.

15 BY MR. HURST:

16 Q. Now, regardless --

17 THE COURT: Keeping in mind the scope.

18 MR. HURST: It will be limited, Your Honor.

19 BY MR. HURST:

20 Q. Dr. Lochhead, is this, in fact, Flonase is, in fact,  
21 according to your testing, outside the shear range, but  
22 that's not a difference that actually has any practical  
23 impact as far as you know. Correct?

24 A. I don't know that it's got any difference in  
25 practical impact, because I was testing viscosity, not the

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1 effectiveness as a nasal spray.

2 Q. For instance, you know that Flonase has a suitable  
3 viscosity profile for a nasal spray. Correct?

4 MR. BERGHOFF: Your Honor, now we are beyond  
5 what he says he is comfortable with in his expertise.

6 THE COURT: I am going to sustain that.

7 BY MR. HURST:

8 Q. You are aware of no evidence suggesting that the  
9 difference in viscosity level for Flonase has any impact on  
10 frontal sinus deposit, are you?

11 A. No, I am not aware of that.

12 THE COURT: He has answered it. I think he said  
13 no.

14 BY MR. HURST:

15 Q. The answer is no?

16 A. No.

17 MR. HURST: Your Honor, I have no further  
18 questions.

19 THE COURT: Mr. Berghoff.

20 MR. BERGHOFF: No questions, Your Honor.

21 THE COURT: Thank you, Doctor.

22 THE WITNESS: Thank you.

23 (Witness excused.)

24 MR. RICH: Your Honor, for our next witness we  
25 would like --

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1 THE COURT: Hopefully your last one.

2 MR. RICH: For our last witness, next and last  
3 witness, all at once, we would like to recall Dr. Eli  
4 Meltzer.

5 THE COURT: All right.

6 ... ELI MELTZER, having been previously sworn as  
7 a witness, was examined and testified further as follows ...

8 MR. RICH: Your Honor, may I approach?

9 THE COURT: Yes, you may.

10 DIRECT EXAMINATION

11 BY MR. RICH:

12 Q. Hello again, Dr. Meltzer.

13 A. Hi.

14 Q. I would like to start by talking about some  
15 intranasal steroid sprays that I think we have heard enough  
16 about. But maybe just a couple more details.

17 Now, starting with Beconase AQ and Vancenase AQ,  
18 in a couple words, what were they?

19 A. Beconase AQ, beclomethasone dipropionate was the  
20 molecule, and they were placed in an aqueous suspension.

21 Q. What was the preservative system in Beconase AQ and  
22 Vancenase AQ?

23 A. They both had benzalkonium chloride and phenylethyl  
24 alcohol.

25 Q. Do you believe phenylethyl alcohol is odorless?

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1 A. No.

2 Q. According to the Court's definition, do you believe  
3 phenylethyl alcohol is odorless?

4 A. According to the Court's terms, I do not believe  
5 Beconase AQ and Vancenase AQ are odorless.

6 Q. And then Flonase, up on the right at the top, what's  
7 Flonase?

8 A. Fluticasone propionate is another intranasal  
9 corticosteroid in an aqueous suspension.

10 Q. What was the preservative system in Flonase?

11 A. Benzalkonium chloride and phenylethyl alcohol.

12 Q. Again, phenylethyl alcohol is not odorless. Correct?

13 A. Correct.

14 Q. So do you have an opinion as to whether Flonase is  
15 odorless?

16 A. I believe Flonase is not odorless.

17 Q. On the second row, the third one over, is a product  
18 called Tri-Nasal. Are you familiar with Tri-Nasal?

19 A. I am.

20 Q. What was Tri-Nasal?

21 A. Tri-Nasal is a preparation that was developed, now  
22 not on the market, of triamcinolone acetonide. It was a  
23 solution rather than a suspension, a co-solvent solution  
24 with polyethylene and propylene glycol.

25 Q. When was Tri-Nasal developed?

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1 A. Around 2000, I believe.

2 Q. Was that before or after Nasacort AQ?

3 A. It was after.

4 Q. Did that have phenylethyl alcohol?

5 A. It did not.

6 Q. Why not?

7 A. I believe it related to a conversation that I was  
8 part of. I was a consultant for Muro. I knew the head of  
9 their consultancy group, Dr. Elliott Ellis, who was my chief  
10 when I was in training, and the president George Barakas  
11 (phonetic), and they brought a number of advisors together  
12 to talk about their proposed product. And one of the  
13 conversations included discussions of excipients. And there  
14 was a recommendation not to include phenylethyl alcohol.

15 Q. Why was that recommendation not to including  
16 phenylethyl alcohol made?

17 A. Because there were patients that we were seeing that  
18 preferred not to have a scent in it.

19 Q. And you said that Tri-Nasal is no longer on the  
20 market. Do you know why it's no longer on the market?

21 A. I think for several reasons. One, it had a really  
22 burning quality to it. The propylene and polyethylene  
23 glycol was quite stinging and patients didn't like it.

24 The delivery system was problematic. It never  
25 came out in a general spray. It actually came out more in a



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1       spritz that was problematic.

2                       Thirdly, there was a, apparently, time when it  
3       was in transit that it would be cold, that it would lose its  
4       solubility. So it precipitated from solution and therefore  
5       it wasn't stable. I think the FDA required it to be  
6       withdrawn.

7       Q.       Now, you have already told us that Beconase AQ,  
8       Vancenase AQ, and Flonase are not odorless. And I would  
9       like to get into the basis of that opinion, if I could.

10                   Do you have any personal experience that informs  
11       that opinion?

12       A.       Well, we certainly have been using intranasal  
13       corticosteroids in our practice for decades. And when we  
14       see patients, whether it's for asthma or for rhinitis, we  
15       always demonstrate the actuation of the delivery system so  
16       that the patients are familiar with it. Particularly for  
17       children, I think it gives them some comfort to see how it  
18       is and feel it. So we spray it on their chin, we will spray  
19       it in their nose. We do the same thing with adults, to  
20       teach them how to aim it.

21                   So we have actuated many, many canisters and  
22       units into the air. And patients often comment on the  
23       phenylethyl alcohol that was part of some of the other  
24       products, the Beconase AQ, Vancenase AQ, Flonase, that there  
25       is that rosy smell. It's pretty obvious.

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1 Q. Do you have any experience with whether patients have  
2 believed it to be uncomfortable?

3 A. Yes. I think that there are patients who don't like  
4 it. They don't always say that one time is problematic.  
5 But there are many patients who say they don't want to have  
6 that smell all the time. It's like a perfume you don't  
7 like.

8 If you have to use it every day -- and it is  
9 important they use their medicine every day. I mentioned a  
10 couple days ago how critical it is for patients to sustain  
11 the use of their anti-inflammatories so they don't continue  
12 having symptoms. We need to make sure they don't have  
13 anything that would dissuade them from doing that. And I  
14 have had patients who really find it undesirable.

15 I remember this one patient I commented on  
16 before, who actually said he hated to use it because the  
17 rosy smell always reminded him of funerals.

18 Q. Does phenylethyl alcohol have any characteristics as  
19 an alcohol that are seen as uncomfortable?

20 A. Alcohol is drying. If you put it on your skin, you  
21 will notice it is drying. If you put it in your nose, it  
22 can be somewhat drying as well. It is that same sensation,  
23 if you have been in an airplane or in cold air, you get sort  
24 of dried membranes. Patients who already have  
25 hyper-responsive airways don't like that dryness. It makes

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1       them uncomfortable. I think phenylethyl alcohol as an  
2       alcohol is problematic because of the drying process.

3       Q.       Hyper-responsiveness, that was something you  
4       mentioned a couple days ago in relation to symptoms of the  
5       late-phase reaction, I believe, of allergic reaction?

6       A.       Chronic inflammation creates an airway that's  
7       inflamed and unstable. So it takes very little allergin or  
8       irritants to stimulate. That is true in the allergic  
9       people. As part of the groups that we see with rhinopathies  
10      there are patients that have what we call non-allergic  
11      rhinitis. They have an airway that doesn't accept very well  
12      the changes of weather or irritants, normal levels of pain,  
13      perfume, hair spray, tobacco smoke, whatever it is. That  
14      bothers them and causes them increased congestion and nasal  
15      discharge.

16               So we prefer not to have -- as a matter of fact,  
17      we have an office policy that says, to our employees, don't  
18      wear perfume because there are patients who it bothers.

19               So low-grade irritants are problematic for  
20      people with non-allergic rhinitis.

21      Q.       We have heard in the Court, but just to be clear,  
22      what's the scent in phenylethyl alcohol that causes this  
23      discomfort?

24      A.       It's described as a rose scent, smell of a rose.

25      Q.       Now, Dr. MacKay mentioned in his testimony that he

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1 was aware of certain studies, certain articles that relate  
2 to the odor of various of these steroid spray products. Are  
3 you familiar with any studies of sensory attributes?

4 A. I am.

5 Q. Could you tell us about them?

6 A. I would be happy to. What I would like to do is  
7 present to you some studies that have been done on this  
8 specific subject. I will spend a little more time on the  
9 first couple and kind of review the others relatively  
10 rapidly.

11 Eric, if I could have that first one.

12 This is a United States study that was published  
13 in 1999. I would like to point that the blue is really the  
14 one that is the non-phenylethyl alcohol. In this case it's  
15 Nasacort AQ. Then the other two are the ones with  
16 phenylethyl alcohol, Beconase and Flonase.

17 If we could have the next slide, I would like  
18 to, there should be one that, in fact, is the grade-out --  
19 Eric, in between -- thank you -- of the three attributes I  
20 would like to focus on of odor, taste, and irritation.

21 You can see in this Gerson study that when you  
22 look at odor strength, which is important because as I said,  
23 people with allergic rhinitis and non-allergic rhinitis, the  
24 irritants of an odor can bother them, there was a  
25 statistically greater lessening of the odor strength than

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1 those that didn't have the phenylethyl alcohol, in this case  
2 Nasacort, compared to the Beconase and Flonase.

3 In fact, it was perceived as a less problematic  
4 odor. They liked it, on a scale of zero to five, they liked  
5 it better. It didn't seem to bother them as much when it  
6 didn't have the odor.

7 So the odor is clearly better for the patients.  
8 And these were some 95 patients who had what we call a  
9 crossover study to say that they experienced the Nasacort,  
10 they experienced the Beconase, they experienced the Flonase.  
11 Then each time after each one of those, they made a rating  
12 as to how it was for them in terms of the odor.

13 Similarly, in terms of taste, they liked the  
14 taste better in the one without phenylethyl alcohol compared  
15 to the two that had phenylethyl alcohol.

16 This was immediately following the spray in the  
17 nose.

18 They also felt that it was more comfortable,  
19 less irritating, and there was a greater amount of moistness  
20 immediately.

21 Overall liking was clearly better in the ones  
22 that didn't have the phenylethyl alcohol. And that's the  
23 Gerson study.

24 Q. Where was that study published?

25 A. It says at the bottom Journal of Sensory Studies,

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1 1999.

2 The next study was done in Europe. Klaus  
3 Bachert lives in Belgium. This was a multi-country study  
4 that had again some 90-ish patients, a number of sensory  
5 attributes.

6 We see again in blue, the triamcinolone  
7 acetonide compared this time to Flonase and the old Nasonex.  
8 The old Nasonex had in it phenylethyl alcohol.

9 We see that if you look -- if we could have the  
10 next slide, Eric -- those same three attributes, the odor  
11 strength was lowest in the ones without phenylethyl alcohol.  
12 The perception that they liked the odor, that is to say it  
13 didn't have an odor, was best in the one without phenylethyl  
14 alcohol compared to the other two. The tasting was best  
15 with the one that didn't have phenylethyl alcohol. And  
16 again, the issues of irritation or comfort, best in the  
17 triamcinolone acetonide. Lowest irritation, most  
18 moist-feeling.

19 When the patients two minutes after it was  
20 sprayed were asked about aftertaste and about amount of  
21 irritation, again, they felt that that was best in the one  
22 without phenylethyl alcohol.

23 If we look at the next slide, it shows kind of  
24 an overall. It has two additional aspects. When the  
25 patients were asked after each time, that's what we have in

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1     that first report of whether it was a taste problem or odor  
2     problem, this is an overall liking. And you can see the one  
3     called Nasacort AQ was better than Flonase or the old  
4     Nasonex. And they were asked, also, which one would you  
5     prefer to be prescribed. And you can see the statistical  
6     difference on that.

7             Then they asked, if you were prescribed that  
8     one, are you more likely to comply. The answer was, yes,  
9     they are more likely to comply.

10            Again, to me as a clinician that is critical,  
11     because I want to make sure that people -- there is actually  
12     something called primary noncompliance where you write the  
13     prescription, and the patient never even fills it. This is  
14     usually a problem when people get it and they won't continue  
15     taking it. And I want to make sure they continue taking it.  
16     So those are the first two studies.

17            Briefly, if I could have the next slide, one by  
18     Bill Lumry down in Texas, where he did a study. This was  
19     not a crossover study, so the people either had the Nasacort  
20     or Beconase AQ. And then at the end of the three weeks of  
21     trial they were asked how do you feel about the medicines in  
22     different ways. And when that was statistically analyzed,  
23     the taste was preferred in the ones without phenylethyl  
24     alcohol, namely, the Nasacort, compared to the Beconase  
25     beclomethasone propionate. And the same thing for smell.

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1                   Next slide.

2                   And that is what we see kind of called out from  
3                   that particular bar graph.

4                   Next.

5                   And this study was done in Asia. This was a  
6                   large study. The others were 150 people, 95 people. This  
7                   was 350 people, Dr. Bunnag from Thailand. And she again  
8                   compared without phenylethyl alcohol, which is triamcinolone  
9                   acetonide here on this left column, to Flonase in this  
10                  middle column, to the old Nasonex on the right column. And  
11                  the ones I have highlighted are related to odor which you  
12                  can see is better in the triamcinolone acetoneide, taste  
13                  which is better in the triamcinolone acetoneide, amount of  
14                  irritation and comfort immediately following the nasal  
15                  spray.

16                  And if we could have the next slide.

17                  And then this aftertaste is better in the  
18                  triamcinolone acetoneide. And the overall liking, you can  
19                  see the statistical differences compared to the Flonase and  
20                  the mometasone.

21                  The next slide is interesting again because they  
22                  asked, after you have done these three different crossovers  
23                  from A and B and C, which one would you prefer? The one  
24                  that was preferred the most was the triamcinolone acetoneide.  
25                  And they were 82 percent of the people said if they get the



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1 one they most prefer, they're likely to comply. But if you  
2 look on the bottom right-hand side, if they don't get the  
3 one that they would prefer, almost 50 percent of the people  
4 said they probably wouldn't comply. And that, to me, is a  
5 bad outcome for patients.

6 Q. Well, which one was the most preferred in?

7 A. The most preferred was the triamcinolone acetonide.  
8 The Nasacort AQ.

9 Q. And which one the least preferred?

10 A. It was mometasone furoate, the old Nasonex with  
11 phenylethyl alcohol.

12 As a matter of fact, these studies were  
13 published around 2003. I served on an advisory board for  
14 Schering because they were concerned about the inference  
15 that people might not take their medicine, and so they said  
16 can we do anything? And we again recommended that they  
17 consider taking phenylethyl alcohol out of their product.  
18 And they subsequently did.

19 So the new Nasonex is called unscented Nasonex.  
20 You probably have heard Antonio Banderas. He does this  
21 little bumblebee: Don't. Take mine. Your nose would be  
22 better. No scent.

23 Anyway, he does this and they always recommend  
24 the unscented component of it. You can see we did a study.

25 If we can see the next slide. This is the last

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1 one I'll present.

2 It compared the new Nasonex which is here in  
3 this maroon color with the Flonase. So it's changed only in  
4 that it doesn't have phenylethyl alcohol in it. And as far  
5 as after spraying it -- this again was a crossover study --  
6 that people were able to taste both of these. The one with  
7 less scent was the one without phenylethyl alcohol. The one  
8 with less taste was the one without phenylethyl alcohol.  
9 And the patients were describing this on a more satisfied or  
10 less satisfied score.

11 Moisture again was more soothing with the one  
12 without phenylethyl alcohol. It didn't have the drying  
13 aspect.

14 And the next slide shows that two minutes after  
15 spray, less scent, less taste, more satisfied. It sounds  
16 like a beer commercial. And more likely to comply if you  
17 get the one that you would like.

18 And then they were asked: Okay. You have had X  
19 and you have had Y, if you compare them, what do you feel  
20 about them?

21 And you can see on last slide.

22 Overall, they preferred the one without  
23 phenylethyl alcohol. The new Nasonex, better scent. That  
24 does say no scent. Better taste. Better aftertaste. Less  
25 irritating, less irritation to sneeze.

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1                   That is kind of the overview of the sensory  
2           aspects which I see as sort of integrated: the integration  
3           of what people perceive in terms of moisture and smell and  
4           taste and irritation.

5           Q.       And I'm not going to try to do the Antonio Banderas  
6           imitation. But the advertising for Nasonex, does it now  
7           feature this odorless scent-free attribute?

8           A.       It does. It's one of their highlights.

9                   MR. RICH: And I think we may have one of their  
10          website pronouncements.

11       BY MR. RICH:

12       Q.       And I guess if you could just read it for us?

13       A.       It says: Do you prefer a nasal spray with a  
14       scent-free formula?

15                   We know that the entire world can't smell like  
16       roses, but that doesn't mean that it needs to smell like  
17       your nasal allergy medicine either. Nasonex is scent-free,  
18       so that's just what you get.

19       Q.       I just wanted to try and summarize. Can you  
20       summarize these studies for us in any way?

21       A.       Well, I made sort of a panoramic view of these five  
22       studies. And in blue is the ones without phenylethyl  
23       alcohol, most of the time being the triamcinolone acetonide.  
24       And the last study being the mometasone. And you can see,  
25       if you compare odor, the one that is perceived as less liked

Meltzer - direct

1 or in one case called more bad or less bad is the one with  
2 the phenylethyl alcohol.

3 The same thing is true on taste.

4 And the same thing is true in terms of  
5 discomfort. Sometimes, it's referred to as dry. It's  
6 always the one with phenylethyl alcohol. More  
7 uncomfortable. Always the one with phenylethyl alcohol.  
8 Stinging and burning was the wording. Irritation both  
9 immediately and following a couple minutes of evaluation.

10 So it was a very consistent response. And these  
11 are hundreds of people who often compared apples to oranges  
12 and found that the one without phenylethyl alcohol was  
13 preferred.

14 Q. And why are these sensory attributes important to  
15 you?

16 A. I think patients come to see me because they don't  
17 feel well. And I perceive my responsibility as trying to  
18 help them to improve their symptoms, to improve their  
19 quality of life. And if I have newer treatments that either  
20 are more effective or more safe or more tolerable, then I  
21 can serve my patients better. And, in addition, I really  
22 appreciate the advances that have been made by scientists  
23 and companies that bring to patients better care. It helps  
24 me to do my profession and it's very satisfying when  
25 patients do feel better.

Meltzer - cross

1 Q. Thank you.

2 MR. NOE: Your Honor, we have no further  
3 questions.

4 THE COURT: All right. Mr. Gracey, you may  
5 cross-examine.

6 CROSS-EXAMINATION

7 BY MR. GRACEY:

8 Q. Hello again, Dr. Meltzer.

9 A. Mr. Gracey.

10 Q. You just summarized for the Court a number of the  
11 so-called patient preference studies. Isn't that right?

12 A. Yes.

13 Q. Okay. And not a single one of those studies are  
14 validated. Isn't that true?

15 A. What do you mean by "validated?"

16 Q. Well, actually those were your words that you used in  
17 an article. Right? "Validation."

18 A. The questionnaire?

19 Q. Right.

20 A. They're validated questionnaires.

21 Q. Fair enough. I apologize, you are absolutely right.  
22 The questionnaires, that we're attempting to value various  
23 sensory attributes, odor, what have you, those  
24 questionnaires weren't validated. Isn't that true?

25 A. Much of what we do in clinical care is not validated,

Meltzer - cross

1 but it is a very well controlled study because each patient  
2 was asked exactly the same question, on the same rating  
3 scale in a crossover design in most of those studies, so  
4 that is a pretty good clinical trial.

5 Q. Didn't you, yourself say that non-validated  
6 questionnaires actually limit, limit one's confidence in  
7 interpreting the results of the findings?

8 A. They limit if it's not a standardized system. But  
9 most of what we do -- and I ask you as a patient, "how are  
10 you today?" That is not a validated question. In all the  
11 clinical trials, when we rate people's symptoms of mild,  
12 moderate, severe, that is their experience. It's not a  
13 validated system. So there are many things we do in  
14 clinical care that have not gone through the rigors of  
15 statistical assessment or reproducibility and reliability  
16 and validity, which is really a very vigorous symptom. And  
17 we don't have that for almost ever we do from history to  
18 physical examination and clinical care.

19 Q. I appreciate that. Let me just ask it again and see  
20 if I can get it again. The non-validated questionnaires  
21 actually limit one's confidence in interpreting the findings  
22 of these questionnaires or these studies. Isn't that true?

23 A. These are the only studies that exist, to my  
24 knowledge, and they are limited by the fact that before the  
25 questionnaires were developed, they didn't go through the

Meltzer - cross

1 rigor of making a validated questionnaire.

2 MR. GRACEY: If we could put up, I believe it's  
3 DX-90 on the screen, please.

4 And I believe DX-90, not 91. Thank you.

5 BY MR. GRACEY:

6 Q. All right. Dr. Meltzer, this is one of your papers;  
7 true?

8 A. It seems to have my name on it.

9 Q. It's entitled: Development of Questionnaires to  
10 Measure Patient Preferences For Intranasal Corticosteroids  
11 in Patients With Allergic Rhinitis. Did I get the title  
12 right?

13 A. Yes.

14 Q. All right. And you actually wrote this article with  
15 Mr., or, excuse me, Dr. Georges who we heard from at the  
16 outset of the case. Right?

17 A. Correct.

18 Q. All right. Now, what year did you publish this  
19 study?

20 A. I can't read it but it looks like 2005, which would  
21 be after all of the clinical trials that were done before  
22 that that I just presented and there has never been done  
23 any one since then.

24 Q. Yes, you actually anticipated my question. So let me  
25 ask you to direct your attention --

Meltzer - cross

1                   MR. GRACEY: And, Jeremy, if you could bring up  
2 and highlight the bottom the last sentence of the page that  
3 carries over. It starts "although." Yes.

4                   Thank you. He brought up the next page, too.

5 BY MR. GRACEY:

6 Q.           Although these questionnaires -- now, I believe you  
7 are specifically referring to the questionnaires, the  
8 studies that you were discussing here. Although these  
9 questionnaires were able to detect differences in  
10 preferences among INSS -- again, that is short for  
11 intranasal steroids. Right?

12 A.           Correct.

13 Q.           The process by which they were developed or their  
14 psychometric property (e.g., reliability and validity) have  
15 not been reported, limiting confidence in interpreting study  
16 findings.

17                   That is what you wrote. Correct?

18 A.           Correct.

19 Q.           In fact, you were referring to, for instance, the  
20 Bechert study?

21 A.           Bachert.

22 Q.           Bachert. You are referring specifically to the  
23 Bachert study. Right?

24 A.           Yes.

25 Q.           All right. So many of these studies that you



Meltzer - cross

1 discussed are actually just single dose studies. Right?

2 A. Correct.

3 Q. And those are just where a patient takes one puff of  
4 one product. Right?

5 A. They take, on a given moment in time, a spray. Then  
6 we wait a certain period of time, depending upon the type of  
7 molecule. And then on another occasion, sometimes a day  
8 later, they'll take the other product.

9 Q. Right.

10 A. And they rate each time, the properties, the  
11 attribute after each one. And then often at the very end,  
12 since it's a crossover study, we'll ask them again to  
13 compare the apples and oranges.

14 Q. And those single dose studies aren't as reliable as a  
15 multidose study. Right?

16 A. No, I wouldn't characterize that. They're reliable  
17 for the information they give you and the attributes are the  
18 attributes. Those attributes typically don't change over  
19 time.

20 Q. Okay. You actually ended with a little bit about  
21 compliance. And isn't it true that compliance with therapy  
22 in clinical practice cannot be guaranteed on the basis of a  
23 single doze study? Isn't that right?

24 A. Of course.

25 Q. Okay. So the conclusions that the authors were

Meltzer - cross

1 attempting to make, and I'll emphasize "attempting,"  
2 actually they can't guarantee any compliance based on any of  
3 these studies they saw with respect to whether one product  
4 is preferred over the other?

5 A. That's correct. They need to have follow-up  
6 evaluations. But we do know certain things about human  
7 behavior. If you make something uncomfortable, people --  
8 you know, if you shock somebody every time they do  
9 something, they typically don't keep on doing it. And so if  
10 you give someone a reward, they typically are more likely  
11 reinforced to continue doing it. So we try to find things  
12 that accentuate the positive.

13 Q. Okay. In fact, some of these studies go back as far  
14 as 1999. Right?

15 A. Yes.

16 Q. And yet there has been -- that is almost a decade.  
17 There has been no follow-up since then for any of these  
18 studies. Isn't that right?

19 A. To my knowledge.

20 Q. Right. Okay.

21 MR. GRACEY: You can put it down.

22 BY MR. GRACEY:

23 Q. Mr. Rich put up a demonstrative that showed a number  
24 of prior art products and included Afrin, for instance, and  
25 a whole list of products. Right?

Meltzer - cross

1 MR. RICH: Your Honor, I believe he is  
2 misrepresenting the demonstrative.

3 THE COURT: I'm sorry, counsel. I can't hear  
4 you.

5 MR. RICH: I believe he is misrepresenting the  
6 demonstrative. I can give him a copy.

7 MR. GRACEY: I withdraw. He is right. I was  
8 referring to a different demonstrative. I'm okay with that.  
9 BY MR. GRACEY:

10 Q. Let me ask you this: Isn't it true that a  
11 pharmaceutical formulator would look, for instance, to Afrin  
12 when they're designing formulations for an aqueous nasal  
13 spray?

14 MR. RICH: Your Honor, this is well beyond the  
15 scope.

16 THE COURT: Sustained. Sustained.

17 MR. GRACEY: Okay.

18 BY MR. GRACEY:

19 Q. Now, Dr. Meltzer, you were here in the courtroom  
20 yesterday. Right?

21 A. I was.

22 Q. And you were here when --

23 (Counsel confer.)

24 MR. GRACEY: Could I get a sidebar?

25 THE COURT: Sure.

Meltzer - cross

1 (The following took place at sidebar.)

2 THE COURT: Yes, Mr. Gracey.

3 MR. GRACEY: Your Honor, I was going to ask Dr.  
4 Meltzer about the slide that was shown to Dr. Kaliner on the  
5 CT scan because Dr. Meltzer I believe is going to state that  
6 there is no frontal sinus on the CT scan. I would ask for a  
7 little bit of the Court's indulgence and leeway as we don't  
8 have an opportunity to put on any rebuttal case for our  
9 enablement case. I could do this or I could bring a witness  
10 and put him on the stand.

11 THE COURT: I'll let you do that.

12 MR. GRACEY: Okay.

13 (End of sidebar conference.)

14 BY MR. GRACEY:

15 Q. Okay. Dr. Meltzer, you were here when Dr. Kaliner  
16 testified yesterday. Correct?

17 A. Yes.

18 Q. All right. And you were here when they put up --

19 MR. GRACEY: Well, let's put up P Demo 7.1,  
20 Jeremy.

21 BY MR. GRACEY:

22 Q. Okay. And Dr. Kaliner was shown this slide and he  
23 testified that this indicated the frontal sinus. But you  
24 know that the frontal sinus is nowhere on the CT scan, don't  
25 you?

Meltzer - cross

1 A. I can't tell, because I don't have all the CT images,  
2 exactly where the frontal sinus is in this individual.

3 Q. I appreciate that. But in this particular CT scan,  
4 it's not shown, is it?

5 A. Without context of all the slices, I don't know  
6 100 percent that this frontal sinus is not on there. I'd  
7 have to see the other slices.

8 Q. Can I ask you what that is right there?

9 A. I'm sorry. I didn't see it.

10 MR. RICH: (Standing up to object.)

11 THE COURT: Overruled. I note the objection.

12 MR. RICH: He just -- okay.

13 THE COURT: I ruled at sidebar. I'm going to  
14 permit a small amount. Go ahead. Let me hear it.

15 MR. RICH: The witness already indicated he  
16 doesn't know, one way or the other.

17 THE COURT: I'm going to let him question  
18 further on it.

19 MR. GRACEY: Thank you, Your Honor.

20 BY MR. GRACEY:

21 Q. I was asking about this region right here,  
22 Dr. Meltzer.

23 A. It appears to be one of the sinuses.

24 Q. Okay. And which sinus is that? Is that the frontal  
25 sinus?

Meltzer - cross

1 A. I can't say unless I have seen all the slices related  
2 to this patient.

3 Q. Isn't that the ethmoid sinus?

4 A. It certainly could be.

5 Q. And what is this here?

6 A. It appears to be one of the sinuses as well.

7 Q. You have seen CT scans before. Right?

8 A. I have.

9 Q. And you have seen CT -- okay. What is this here, the  
10 black there?

11 A. It appears to be the middle meatus area.

12 Q. All right. And what is this right here, this black  
13 right in here?

14 A. It appears to be between the septum and the middle  
15 turbinate.

16 Q. Okay. And is this the frontal sinus up here?

17 A. That's where it's usually located.

18 Q. Is this the actual frontal sinus?

19 A. I don't see it there.

20 Q. This is actually the frontal lobe of the brain;  
21 right?

22 A. More likely.

23 Q. What is this right here?

24 A. It appears to be the roof of the nose.

25 Q. And --

Meltzer - redirect

1 A. Do I get a grade on this test?

2 Q. Dr. MacKay is grading you.

3 A. I have no doubt. I have no doubt. I'm surprised  
4 Dr. Siegel is not here as well.

5 Q. He wanted to be but he had to catch a flight. This  
6 is the middle turbinate. Right?

7 A. It appears to be.

8 Q. And this here is the interior turbinate?

9 A. It appears to be.

10 Q. And this here is the maxillary sinus?

11 A. It appears to be.

12 Q. I'll just ask one last time: The frontal sinus is  
13 nowhere shown on this CT scan, is it?

14 A. I'd feel more secure if I saw all slices.

15 Q. Okay. Can you not answer that directly? I mean can  
16 you point to the frontal sinus anywhere on this CT scan for  
17 me?

18 A. I don't see the frontal sinus.

19 MR. GRACEY: Thank you. That's all the  
20 questions I have.

21 THE COURT: You may redirect, counsel.

22 REDIRECT EXAMINATION

23 BY MR. RICH:

24 Q. Returning to the exhibit we've just looked at, do you  
25 know if the frontal sinus is shown or not on this figure?

Meltzer - redirect

1 A. I don't know 100 percent.

2 Q. And do you know whose slides these were?

3 A. I do not know.

4 Q. And do you know where in the nose this was taken?

5 A. I do not know the level of the cut.

6 Q. So I know he has asked you what you think

7 interpretively. Would you make a diagnosis of whether that  
8 was the frontal sinus or not based on only this image of the  
9 CT scan without having additional information?

10 A. I'd like to see the entire CT scan before I make an  
11 interpretation. I'd also like to have the radiologist who  
12 looks at them a lot more often than I do. This is not my  
13 skill level that I rely on, so ...

14 THE COURT: Dr. Kaliner didn't seem similarly  
15 constrained. Are you surprised by that?

16 THE WITNESS: Dr. Kaliner is very -- He's the  
17 Past President of the American Academy, of the World  
18 Allergy --

19 THE COURT: Hold on. Sorry. You have to let me  
20 talk.

21 I'm not questioning the doctor's qualification.  
22 I'm just making an observation. Are you surprised by his  
23 apparent ability to identify the area in question on this  
24 scale?

25 THE WITNESS: He may have more experience than I



Meltzer - redirect

1 do in reading CTs.

2 THE COURT: Okay. That's fair.

3 BY MR. RICH:

4 Q. If fact, you were here in the courtroom when he  
5 talked about his experience observing in the nose. Right?

6 A. Right. He does rhinoscopy. I do not.

7 Q. And he said he did it pretty much every day.

8 A. He did.

9 THE COURT: I know that. Okay.

10 BY MR. RICH:

11 Q. You were asked questions about validation of study  
12 questionnaires. These surveys, how did they relate to your  
13 personal experience? That is, how does the results shown in  
14 those studies compare to your personal experience as a  
15 physician?

16 A. Well, they're very consistent. We often will give  
17 people different options when we have them to try X or to  
18 try Y or to try Z. And this is very consistent with what  
19 our experience is in terms of usual preferences and usual  
20 complaints and usual lack of complaints. So I think they  
21 are consistent.

22 But you have to remember I treat one patient at  
23 a time. I'm not doing 364 people in a crossover study in an  
24 organized system. So, yes, my usual one-at-a-time patient  
25 does report in a similar fashion but that is an anecdote,

Meltzer - redirect

1 not a well designed trial.

2 Q. Well, you are also asked about whether compliance was  
3 guaranteed from asking patients whether they would comply.

4 Do you remember that question?

5 A. I do.

6 Q. Are you familiar with the Allergies in America study?

7 A. I'm very familiar with it.

8 Q. How so?

9 A. I was one of the authors for it.

10 Q. And what did that study involve?

11 A. Well, there were actually two Allergies in America  
12 surveys. There was one in 2006, which was of some 30,000  
13 homes looking and culling out 2,500 adults who had nasal  
14 allergies; and then the one in 2007, looking again at some  
15 30,000 homes and culling out 500 children with allergies and  
16 500 children without allergies.

17 Q. What were the results in relation to sensory  
18 attributes and compliance by patient?

19 A. Sensory attributes were clearly important. They  
20 talked about, in both of the adult and pediatric study,  
21 reasons why people do not continue taking their medicine,  
22 why they stop taking their medicine. And somewhere between  
23 20 and 25 percent of the people reported they stopped taking  
24 their medicine related to attributes such as taste, smell,  
25 runoff, rundown, irritation, local tolerability issues. So

Meltzer - redirect

1     it's an important part.

2                   As I mentioned earlier, for me that is a  
3     critical issue because with any inflammation process, you  
4     need to make sure you keep water on the fire. Otherwise,  
5     the patient becomes symptomatic. So if they take the  
6     treatment intermittently, sporadically, they're going to be  
7     much more symptomatic. And that is that symptomatic problem  
8     will manifest itself in their life. They won't sleep well.  
9     They won't feel well. They won't perform well at work or at  
10    school. So compliance to a treatment regimen is really what  
11    we, in chronic care, be it diabetes or seizure disorders or  
12    arthritis or respiratory medicine, we need to have people  
13    sustain their care.

14    Q.       And just to be clear, was this prospective, them  
15    saying I wouldn't do it because of this, I wouldn't take the  
16    medication because of this? Or was it retrospective, I  
17    stopped taking the medication because of this?

18    A.       It was retrospective. They didn't do a prospective  
19    study where they took 2,500 people and said take it and see  
20    how you do.

21                   I don't know any good prospective studies at  
22    all. If anybody would like to fund it, I'd be happy to help  
23    out. It would be my pleasure. But that was a retrospective  
24    study.

25                   MR. RICH: Thank you.

1                   Your Honor, I have nothing further.

2                   THE COURT: Thank you, doctor. Great time to  
3 make a pitch.

4                   (Laughter.)

5                   MR. RICH: Your Honor, we have no further  
6 witnesses but we would like to move the exhibits from  
7 cross-examination into evidence.

8                   THE COURT: Okay. Do you want to nominate those  
9 exhibits or identify them in some way?

10                  MR. RICH: We would.

11                  THE COURT: Okay. And while you are doing that,  
12 are these exhibits that have heretofore not been previously  
13 ruled upon?

14                  MR. RICH: They have not previously been ruled  
15 upon, Your Honor.

16                  THE COURT: Okay. Have counsel had a chance to  
17 discuss this?

18                  MR. RICH: No, Your Honor.

19                  THE COURT: Would you like to take an  
20 opportunity to review the list.

21                  MR. RICH: Absolutely.

22                  THE COURT: Okay. While we're doing that,  
23 perhaps other counsel can attend a small matter.  
24 Mr. Berghoff or Ms. Rurka, you can take care of the list.

25                  I have a letter from Mr. David Wilkes of the

1 Reed Smith firm. I don't think it's problematic but he  
2 represents Schering Plough. I don't believe that there is a  
3 concern but it addresses confidential information that was  
4 produced pursuant to the Barr subpoena. And I don't believe  
5 any of Schering Plough's confidential information has been  
6 displayed during this trial. Is that correct?

7 MR. BERGHOFF: It has not been.

8 MR. HURST: That is my understanding.

9 THE COURT: So that is confirmed for the record  
10 by both parties and we can allay Mr. Wilkes' concern. He  
11 had just asked if that were going to be -- it's a little  
12 late, but that if we were going to do that, that we seal the  
13 courtroom. Whether I would have acceded to that or not, I  
14 don't know, but it's sort of a moot point. I just wanted to  
15 confirm that.

16 Okay.

17 MR. HURST: Your Honor, I won't have any  
18 objections. I don't even need to review them.

19 One of the things we did not do throughout the  
20 trial is move in our exhibits as we went along.

21 THE COURT: Well, your exhibits are in.

22 MR. HURST: Okay. That was my understanding.

23 Thank you, Your Honor.

24 THE COURT: Yes.

25 MR. RICH: Your Honor, if I might approach with

1 the exhibits?

2 THE COURT: Sure.

3 Okay. So let the record reflect that counsel  
4 has just -- do you want to announce the numbers?

5 MR. RICH: If I could.

6 THE COURT: Just so it is clear for the record  
7 what's in there.

8 MR. RICH: Thank you very much, Your Honor.

9 Exhibit 393 is an article by Gerson and others.

10 Exhibit 758 is an excerpt from the Physician's  
11 Desk Reference of 1995.

12 Exhibit 759 is an excerpt from the Supplement A  
13 to the Physician's Desk Reference of 1995.

14 Exhibit 760 is an excerpt from the 1996  
15 Physician's Desk Reference.

16 Exhibit 1057 is a document entitled Measuring  
17 The 'Setting' And 'Shear' Viscosities Of Dispersions  
18 Prepared By Daniel J. Klingenberg.

19 Exhibit 1058 is a publication by Jog and others  
20 entitled How Frequent Are Sensory Sinus Ostia?

21 Exhibit 1059 is a publication by Dr. Naclerio  
22 and others, entitled Patient And Physician Perspectives On  
23 The Attributes Of Nasal Allergy Medications.

24 I was going the wrong way with titles, there.

25 Exhibit 1060 is an article by Skoner and others

1 entitled The Effects Of Intranasal Triamcinolone Acetonide  
2 And Intranasal Fluticasone Propionate On Short-Term Bone  
3 Growth And HPA Axis In Children With Allergic Rhinitis.

4 Exhibit 1061 is an article by Wilson and others  
5 entitled Effects Of Repeated Once Daily Dosing Of Three  
6 Intranasal Corticosteroids On Basal And Dynamic Measures Of  
7 Hypothalamic-Pituitary-Adrenal-Axis Activity.

8 And we could provide a copy to the court  
9 reporter for spelling, if you would alike.

10 Exhibit 1062 is an article by Dondeti and others  
11 entitled In Vivo Evaluation Of Spray Formulations Of Human  
12 Insulin For Nasal Delivery.

13 Exhibit 1063 is an article by Dondeti and others  
14 entitled Bioadhesive And Formulation Parameters Affecting  
15 Nasal Absorption.

16 Thank you, Your Honor.

17 THE COURT: Mr. Berghoff.

18 MR. BERGHOFF: Your Honor, in addition, I  
19 believe both parties --

20 THE COURT: By the way, those exhibits are  
21 admitted.

22 (Above-referenced exhibits received in  
23 evidence.)

24 MR. BERGHOFF: I believe both parties have the  
25 same housekeeping matter of deposition designations.

1                   THE COURT: I wanted to talk about that, and  
2 find out from you, in your view, how critical these items  
3 are, and whether, in advance of our anticipated next  
4 meeting, which I indicated yesterday would likely be June  
5 the 9th, I would need to review these matters.

6                   MR. BERGHOFF: Speaking on behalf of plaintiffs,  
7 we would like to be sure before we close our case that the  
8 designations are entered into the record so that we can  
9 refer to them in the proposed findings of fact and  
10 conclusions of law and in the later oral argument.

11                   I would be very hesitant to suggest anything  
12 with respect to whether and when Your Honor had to review  
13 them.

14                   THE COURT: Well, obviously, we have heard  
15 testimony. I have benefited from that. I just wanted to  
16 determine from you your views as to how critical it would be  
17 that I read certain designations.

18                   MR. HURST: Our view, Your Honor, is it is not  
19 necessary for you to read the designations. We would also  
20 like to have them in the record. To the extent we want to  
21 cite to them for further support, then you can have them for  
22 your reference, but it is not necessary for you to read  
23 through our designations.

24                   THE COURT: Great.

25                   So I have indicated an unwillingness to get



1 involved in the discussion. Have you been able to work that  
2 out, your designations and counter-designations?

3 MR. HURST: We have, Your Honor.

4 THE COURT: Whatever they are, they are agreed  
5 upon, and you can -- they are admitted as far as I am  
6 concerned at this stage, and you can in some way identify  
7 them.

8 MR. BERGHOFF: We will submit them to your  
9 clerk, Your Honor.

10 THE COURT: Do you think you might want to do a  
11 stipulation of some type? I don't know.

12 MR. HURST: A stipulation in terms of the  
13 admissibility of the deposition designations?

14 THE COURT: They are admitted. Just what they  
15 are.

16 MR. BERGHOFF: Yes. We will come up with a list  
17 that indicates ours and theirs on one piece of paper.

18 THE COURT: Just in the event, in the unlikely  
19 event, or likely event that this finds its way to the Fed.  
20 Circuit, which it may well, you have a record up there  
21 that's accurate.

22 MR. HURST: We will work on a stipulation and  
23 have it filed in the record.

24 THE COURT: I think I am going to follow through  
25 with the plan that I previewed yesterday. I would like some

1 simultaneous submissions of proposed findings by the close  
2 of business on May the 30th. Is that do-able in your view?

3 MR. BERGHOFF: Yes, Your Honor.

4 MR. HURST: Yes, Your Honor.

5 THE COURT: Is 15 pages sufficient?

6 MR. HURST: Yes, Your Honor.

7 MR. BERGHOFF: Yes, Your Honor.

8 MR. HURST: Conclusions of fact and law?

9 THE COURT: Yes. I am going to issue an order.

10 But at the present time I would like to pencil in 8:30 on  
11 June 9th. I am supposed to be on trial on another patent  
12 matter. So we will have a jury empaneled at that time. But  
13 what my plan would be would be to start a little earlier,  
14 restart this case at that time, at least for the purpose of  
15 the Court hearing some form of oral argument. And it would  
16 be my intention to announce a ruling that morning.

17 (Counsel respond "Thank you, Your Honor.")

18 THE COURT: Thank you, counsel.

19 (Court recessed at 12:15 p.m.)

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21 Reported by: Kevin Maurer and Brian P. Gaffigan

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